PCNA Monoclonal Mouse Antibody (PC10)



Product Description

Recognizes a non-histone protein of 36 kDa, which is identified as proliferating cell nuclear antigen (PCNA). It is also known as cyclin or polymerase delta auxiliary protein. Elevated expression of PCNA/cyclin has been shown in the nucleus during late G1 phase immediately before the onset of DNA synthesis, becoming maximal during S-phase and declining during G2 and M phases. This MAb is excellent for multiple applications.

Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the CF® Dye Brochure for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Stock status: Because Biotium offers a large number of antibody and conjugation options, primary antibody conjugates may be made to order. Typical lead times are up to one week for CF® dye and biotin conjugates, and up to 2-3 weeks for fluorescent protein and enzyme conjugates. Please email order@biotium.com to inquire about stock status and lead times before placing your order.

Catalog number key for antibody number 0467, Anti-PCNA (PC10)

Antibody research areas

Call us: 800-304-5357

Antibody number Antibody type Primary Host species Mouse Clonality Monoclonal Clone PC10 Isotype IgG2a, kappa Molecular weight Synonyms Cyclin; DNA polymerase delta auxiliary protein; Mutagen-sensitive 209 protein; PCNAR; Polymerase delta accessory protein; PCNAR;	Product attributes	
Antibody type Host species Mouse Clonality Monoclonal Clone PC10 Isotype IgG2a, kappa Molecular weight Synonyms Cyclin; DNA polymerase delta auxiliary protein; Mutagen-sensitive 209 protein; PCNAR; Polymerase delta accessory protein; PCNAR; Polymerase delta accessory protein Human gene symbol Entrez gene ID 5111 SwissProt P12004 Unigene 147433 & 728886 Immunogen Antibody target cellular Verified antibody applications Flow (intracellular) (verified), IHC (FFPE) (verified) Species reactivity Chicken, Drosophila, Human, Monkey, Mouse, Pig, Rat, S. cerevisiae, S. pombe, Zebrafish Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Immunohistology formalin-fixed 0.25-0.5 ug/mL, Staining of formalin-fixed position of the determined by user Positive control Tonsil or reactive lymph node Room temperature Storage Conditions Storage Conditions Storage Conditions For research use only (RUO) Antibody/conjugate For research use only (RUO) Antibody/conjugate formulation For research use only (RUO) Antibody/conjugate formulation Antibody/conjugate For research use only (RUO)	Antibody number	#0467
Host species Mouse	Antibody reactivity (target)	PCNA
Clone Isotype IgG2a, kappa Molecular weight Synonyms Cyclin; DNA polymerase delta auxiliary protein; Mutagen-sensitive 209 protein; PCNAR; Polymerase delta accessory protein Mutagen-sensitive 209 protein; PCNAR; Polymerase delta accessory protein Human gene symbol PCNA Entrez gene ID 5111 SwissProt P12004 Unigene 147433 & 728886 Immunogen Rat PCNA/Protein A fusion protein Antibody target cellular Verified antibody applications Flow (intracellular) (verified), IHC (FPE) (verified) Species reactivity Chicken, Drosophila, Human, Monkey, Mouse, Pig, Rat, S. cerevisiae, S. pombe, Zebrafish Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Immunofluorescence: 0.5-1 ug/mL, Immunofluorescence: 0.5-1 ug/mL, Optimal dilution for a specific application should be determined by user Positive control Tonsil or reactive lymph node Shipping condition Room temperature Storage Conditions Storage Conditions For esearch use only (RUO) Antibody/conjugate For research use only (RUO) Antibody/conjugate For research use only (RUO) Antibody/conjugates For research use only (RUO) Antibody/conjugates without azide	Antibody type	Primary
Clone PC10	Host species	Mouse
Isotype IgG2a, kappa	Clonality	Monoclonal
Molecular weight Synonyms Cyclin; DNA polymerase delta auxiliary protein; Mutagen-sensitive 209 protein; PCNAR; Polymerase delta accessory protein Mutagen-sensitive 209 protein; PCNAR; Polymerase delta accessory protein PCNAR; Polymerase delta accessory protein PCNA Entrez gene ID 5111 SwissProt P12004 Unigene 147433 & 728886 Immunogen Antibody target cellular Verified antibody applications Flow (intracellular) (verified), IHC (FPE) (verified) Species reactivity Chicken, Drosophila, Human, Monkey, Mouse, Pig, Rat, S. cerevisiae, S. pombe, Zebrafish Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Immunofluorescence: 0.5-1 ug/mL, Immunofluorescence: 0.5-1 ug/mL, Optimal dilution for a specific application followed by cooling at RT for 20 minutes, Flow Cytometry 0.5-1 ug/mLlind rollowed by cooling at RT for 20 minutes, Flow Cytometry 0.5-1 ug/mLl, Optimal dilution for a specific application should be determined by user Positive control Tonsil or reactive lymph node Shipping condition Room temperature Storage Conditions Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation For item in the polyconiugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified	Clone	PC10
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protein; Mutagen-sensitive 209 protein; PCNAR; Polymerase delta accessory protein PCNA Entrez gene ID 5111 SwissProt P12004 Unigene 147433 & 728886 Immunogen Rat PCNA/Protein A fusion protein Antibody target cellular Verified antibody applications Flow (intracellular) (verified), IHC (FPE) (verified) Species reactivity Chicken, Drosophila, Human, Monkey, Mouse, Pig, Rat, S. cerevisiae, S. pombe, Zebrafish Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Immunofluorescence: 0.5-1 ug/mL, Immunofluorescence: 0.5-1 ug/mL, Immunofluorescence: 0.5-1 ug/mL, Optimal dilution for a specific application followed by cooling at RT for 20 minutes, Flow Cytometry 0.5-1 ug/mL, Optimal dilution for a specific application should be determined by user Positive control Tonsil or reactive lymph node Shipping condition Room temperature Storage Conditions Storage Conditions Storage Conditions Storage Iso B °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HPP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% B	Molecular weight	36 kDa
Entrez gene ID SwissProt P12004 Unigene 147433 & 728886 Immunogen Antibody target cellular Verified antibody applications Flow (intracellular) (verified), IHC (FFPE) (verified) Species reactivity Chicken, Drosophila, Human, Monkey, Mouse, Pig, Rat, S. cerevisiae, S. pombe, Zebrafish Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Immunohistology formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes, Flow Cytometry 0.5-1 ug/mllion cells/0.1 mL, Western blotting 0.5-1 ug/mL, Optimal dilution for a specific application should be determined by user Positive control Tonsil or reactive lymph node Storage Conditions Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation Final Pas/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2	Synonyms	protein; Mutagen-sensitive 209 protein; PCNAR; Polymerase delta accessory
SwissProt Unigene 147433 & 728886 Immunogen Antibody target cellular Verified antibody applications Flow (intracellular) (verified), IHC (FFPE) (verified) Species reactivity Chicken, Drosophila, Human, Monkey, Mouse, Pig, Rat, S. cerevisiae, S. pombe, Zebrafish Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Immunofluorescence: 0.5-1 ug/mL, Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes, Flow Cytometry 0.5-1 ug/mllion cells/0.1 mL, Western blotting 0.5-1 ug/mL, Optimal dilution for a specific application should be determined by user Positive control Tonsil or reactive lymph node Shipping condition Storage Conditions Storage Conditions Storage Conditions For research use only (RUO) Antibody/conjugate formulation For research use only (RUO) Antibody/conjugate formulation Regulatory status For research use only (RUO) Antibody/conjugate formulation Fixed tissues For research use only (RUO) Antibody/conjugate formulation Fixed tissues For research use only (RUO) Antibody/conjugate Formulation Fixed tissues For research use only (RUO) Fixed Tissues Fixed	Human gene symbol	PCNA
Unigene Immunogen Rat PCNA/Protein A fusion protein Antibody target cellular Verified antibody applications Flow (intracellular) (verified), IHC (FFPE) (verified) Species reactivity Chicken, Drosophila, Human, Monkey, Mouse, Pig, Rat, S. cerevisiae, S. pombe, Zebrafish Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Immunohistology formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes, Flow Cytometry 0.5-1 ug/mllion cells/0.1 mL, Western blotting 0.5-1 ug/mll., Optimal dilution for a specific application should be determined by user Positive control Tonsil or reactive lymph node Shipping condition Storage Conditions Storage Conditions Storage Tondition Storage Conditions For research use only (RUO) Antibody/conjugate formulation For research use only (RUO) Antibody/conjugate formulation For research use only (RUO) Antibody/conjugate formulation For research use only (RUO) Shall in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 m	Entrez gene ID	5111
Immunogen	SwissProt	P12004
Antibody target cellular Verified antibody applications Flow (intracellular) (verified), IHC (FFPE) (verified) Species reactivity Chicken, Drosophila, Human, Monkey, Mouse, Pig, Rat, S. cerevisiae, S. pombe, Zebrafish Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Optimal dilution for a specific application should be determined by user Positive control Tonsil or reactive lymph node Shipping condition Storage Conditions Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation For research use only (RUO) Antibody/conjugate formulation Nucleus & cytoping at RT in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Pu	Unigene	147433 & 728886
Flow (intracellular) (verified), IHC (FFPE) (verified) Species reactivity Chicken, Drosophila, Human, Monkey, Mouse, Pig, Rat, S. cerevisiae, S. pombe, Zebrafish Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Immunofluorescence:	Immunogen	Rat PCNA/Protein A fusion protein
(FFPE) (verified) Species reactivity Chicken, Drosophila, Human, Monkey, Mouse, Pig, Rat, S. cerevisiae, S. pombe, Zebrafish Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Immunofluorescence: 0.5-1 ug/mL, Staining of formalin-fixed tissuese requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes, Flow Cytometry 0.5-1 ug/mllion cells/0.1 mL, Western blotting 0.5-1 ug/mL, Optimal dilution for a specific application should be determined by user Positive control Tonsil or reactive lymph node Storage Conditions Storage Conditions Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation For research use only (RUO) Antibody/conjugate Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, Purified; 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.	Antibody target cellular	Nucleus & cytoplasm
Mouse, Pig. Rat. S. cerevisiae, S. pombe, Zebrafish Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Optimal dilution for a specific application should be determined by user Positive control Tonsil or reactive lymph node Shipping condition Room temperature Storage Conditions Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HPP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/	Verified antibody applications	
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Shipping condition Room temperature	Antibody application notes	direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 0.5-1 ug/mL, Immunohistology formalin-fixed 0.25-0.5 ug/mL, Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes, Flow Cytometry 0.5-1 ug/mLlion cells/0.1 mL, Western blotting 0.5-1 ug/mL, Optimal dilution for a specific application
Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.55% azide, Purified, BSA-free: 1 mg/mL in PBS without azide	Positive control	Tonsil or reactive lymph node
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date of receipt when stored as recommended For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.15% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide	Storage Conditions	conjugates from light, Note: store
Antibody/conjugate Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide	Shelf life	date of receipt when stored as
formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide	Regulatory status	For research use only (RUO)
Cell/tissue expression Proliferating cells		BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS
	Cell/tissue expression	Proliferating cells

Cell cycle

Email: btinfo@biotium.com

Antibody # prefix BNC04	Conjugation CF®405S	Ex/Em (nm) 404/431	Laser line 405	Detection channel DAPI (microscopy), AF405	Dye Features CF8405S Features
DNICOO	05@4004	400/545	400		OF@ 400A Ft
BNC88	CF®488A	490/515	488	GFP, FITC	CF®488A Features
BNC68	CF®568	562/583	532, 561	RFP, TRITC	CF®568 Features
BNC94	CF®594	593/614	561	Texas Red®	CF®594 Features
BNC40	CF®640R	642/662	633-640	Cy®5	CF®640R Features
BNC47	CF®647	650/665	633-640	Cy®5	CF®647 Features
BNCB	Biotin	N/A	N/A	N/A	
BNUB	Purified	N/A	N/A	N/A	
BNUM	Purified.	N/A	N/A	N/A	

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