GFAP Recombinant Monoclonal Mouse Antibody (rASTRO/789)



Product Description

This MAb recognizes a protein of ~50 kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. GFAP is a very popular marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system. Antibody to GFAP is useful in differentiating primary gliomas from metastatic lesions in the brain and for documenting astrocytic differentiation in tumors outside the CNS. 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 and can give higher hori-specific background than other dye colors. Stock status: Because Biolium one's 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 2227, Anti-GFAP (rASTRO/789)

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	Antibody reac (target) Antibody type
	Host species
	Clonality
	Clone
	Isotyne

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direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Immunohistology (formalin): 0.25-0.5 ug/mL for 30 minutes at RT, Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes followed by cooling at RT for 20 minutes (busets requires boiling objections) as pecific application should be determined by user Positive control Brain or Astrocytoma Shipping condition Room temperature 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 PBS/0.05% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2	Product attributes			
(target) Antibody type Primary Host species Mouse Clonality Recombinant Monoclonal Clone rASTRO/789 Isotype IgG1 Molecular weight -50 kDa Synonyms Astrocyte or Intermediate Filament Protein, Glial Fibrillary Acidic Protein (GFAP) Human gene symbol GFAP Entrez gene ID 2670 SwissProt P14136 Unigene 514227 Immunogen Recombinant full-length human GFAP protein Antibody target cellular Cytoskeleton Verified antibody applications Flow (intracellular) (verified), IHC (FFPE) (verified), WB (verified) Species reactivity Chicken, Cow, Human, Mouse, Pig, Rabbit, Rat Antibody application notes Chicken, Cow, Human, Mouse, Pig, Rabbit, Rat Antibody application notes Chicken, Cow, Human of indirect detection with secondary antibody, Immunohistology (formalin): 0.25-0.5 ug/mL for 30 minutes at RT, Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by coling at RT or 20 minutes boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by coling at RT or 20 minutes western bolting 0.5-1 ug/mL, Optimal dilution for a specific application should be determined	Antibody number	#2227		
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Molecular weight -50 kDa Synonyms Astrocyte or Intermediate Filament Protein, Glial Fibrillary Acidic Protein (GFAP) Human gene symbol GFAP Entrez gene ID 2670 SwissProt P14136 Unigene 514227 Immunogen Recombinant full-length human GFAP protein Antibody target cellular Cytoskeleton Localization Plow (Intracellular) (verified), IHC (FFPE) (verified), WB (verified) Species reactivity Plow (Intracellular) (verified), IHC (FFPE) (verified), WB (verified) Antibody application notes Antibody application notes Antibody application in Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunohistology (formalin): 0.25-0.5 ug/mL for 30 minutes at RT, Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes western blotting 0.5-1 ug/mL, Optimal dilution for a specific application should be determined by user Positive control Brain or Astrocytoma 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 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 Antibody research areas Antibody research areas	Clone	rASTRO/789		
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		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 Glia	Antibody research areas	Neuroscience		
	Call/ticque expression	Glia		

Email: btinfo@biotium.com

Antibody # prefix	Conjugation	Ex/Em (nm)	Laser line	Detection channel	Dye Features
BNC04	CF®405S	404/431	405	DAPI (microscopy), AF405	CF®405S Features
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, BSA-free	N/A	N/A	N/A	

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