

Product Datasheet

Recombinant Glial Fibrillary Acidic Protein Antibody (orb606416)

Catalog Number	orb606416
Category	Antibodies
Description	This mAb recognizes a protein of ~50kDa 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.
Clonality	Recombinant
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human, Rat
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	GFAP isolated from pig spinal cord was used as the immunogen for this recombinant Glial Fibrillary Acidic Protein antibody.
UniProt ID	P14136
Tested applications	FACS, IHC-P, WB

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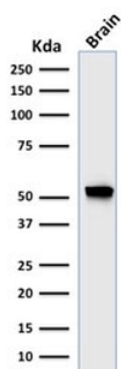
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Dilution range	Flow cytometry: 1-2ug/10 ⁶ cells,Western blot: 1-2ug/ml,Immunohistochemistry (FFPE): 0.25-0.5ug/ml for 30 min at RT
Application notes	The optimal dilution of the recombinant Glial Fibrillary Acidic Protein antibody for each application should be determined by the researcher.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	rASTRO/789
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Western blot testing of human brain lysate with recombinant Glial Fibrillary Acidic Protein antibody (clone rASTRO/789). Predicted molecular weight ~50 kDa.

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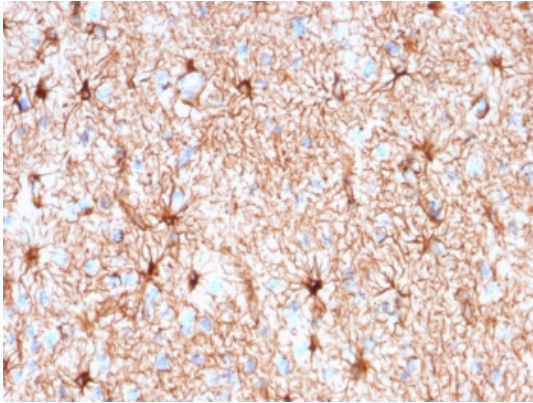
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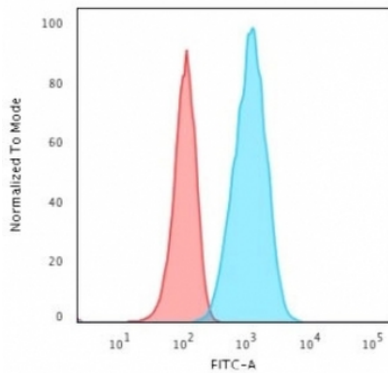
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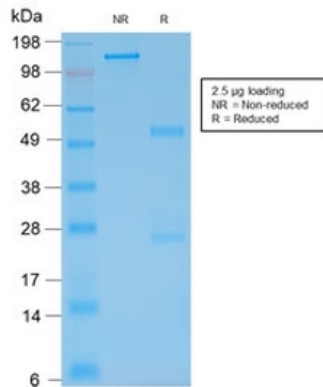
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IHC testing of FFPE human cerebellum tissue with recombinant Glial Fibrillary Acidic Protein antibody (clone rASTRO/789). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Flow cytometry testing of fixed human T98G cells with recombinant Glial Fibrillary Acidic Protein antibody (clone rASTRO/789); Red = isotype control, Blue = recombinant Glial Fibrillary Acidic Protein antibody.



SDS-PAGE analysis of purified, BSA-free recombinant Glial Fibrillary Acidic Protein antibody (clone rASTRO/789) as confirmation of integrity and purity.

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