

Product Datasheet

GFAP Antibody (orb749357)

Catalog Number	orb749357
Category	Antibodies
Description	<p>This antibody recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein. The mAb shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. It is a very popular marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system. GFAP antibody is useful in differentiating primary gliomas from metastatic lesions in the brain and for documenting astrocytic differentiation in tumors outside the CNS.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human, Mouse, 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.
Tested applications	FACS, IHC-P, WB
Dilution range	Flow cytometry: 1-2ug/million, Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT

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Application notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the GFAP antibody to be titrated up or down for optimal performance.1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.2. 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

GA-5

Storage

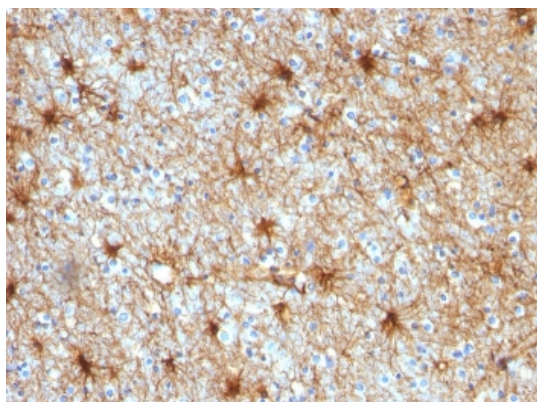
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only

Expiration Date

12 months from date of receipt.



IHC staining of FFPE human cerebellum with GFAP antibody (clone GA-5).

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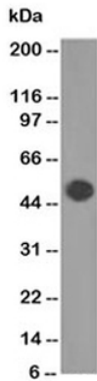
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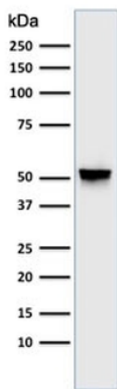
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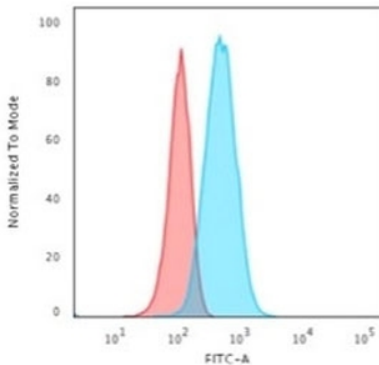
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Western blot testing of human brain lysate GFAP antibody (clone GA-5). Predicted molecular weight ~50 kDa.



Western blot testing of human brain lysate GFAP antibody (clone GA-5). Predicted molecular weight ~50 kDa.



Flow cytometry testing of permeabilized human T98G cells with GFAP antibody (clone GA-5); Red = isotype control, Blue = GFAP antibody.

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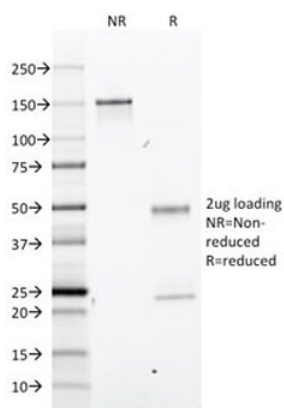
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SDS-PAGE analysis of purified, BSA-free GFAP antibody (clone GA-5) as confirmation of integrity and purity.

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