Product Datasheet

Recombinant GFAP Antibody / Rabbit Monoclonal (orb2640615)

Catalog Number	orb2640615
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	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
Purification	Protein A affinity chromatography
Immunogen	GFAP isolated from pig spinal cord was used as the immunogen for this recombinant GFAP antibody.
UniProt ID	P14136
Tested applications	FACS, IF, IHC-P, WB

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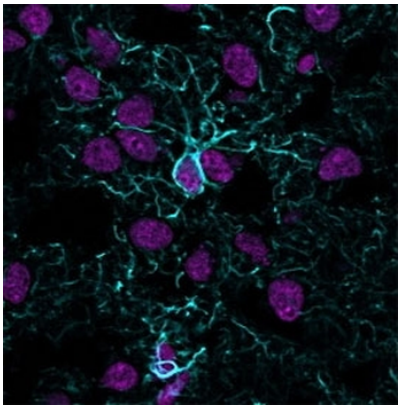
Dilution range	Flow cytometry: 1-2ug/10^6 cells,Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT,Immunofluorescence: 1-2ug/ml,Western blot: 2-4ug/ml
Application notes	The optimal dilution of the recombinant GFAP antibody for each application should be determined by the researcher.1. The prediluted 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	ASTRO/1974R
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.



Immunofluorescent staining of frozen human cerebral cortex tissue with recombinant GFAP antibody (blue, clone ASTRO/1974R) and Histone H1 antibody (magenta, clone HH1/957).

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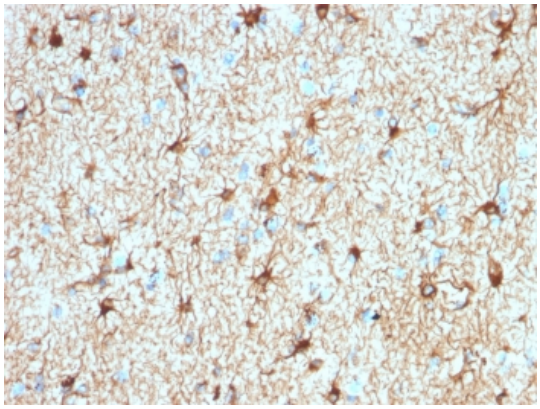
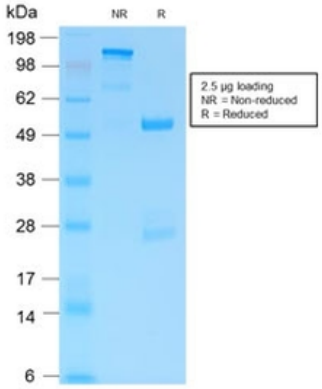
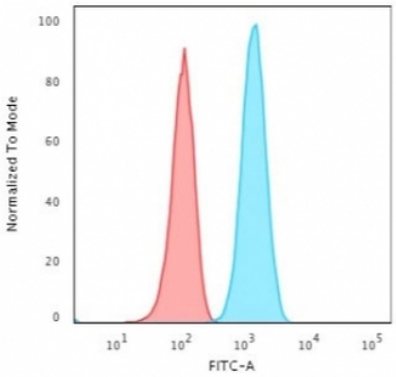


IHC testing of FFPE human cerebellum tissue with recombinant GFAP antibody (clone ASTRO/1974R). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant GFAP antibody (clone ASTRO/1974R) as confirmation of integrity and purity.



Flow cytometry testing of fixed human T98G cells with recombinant GFAP antibody (clone ASTRO/1974R); Red = isotype control, Blue = recombinant GFAP antibody.

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