

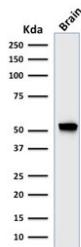
Recombinant Glial Fibrillary Acidic Protein Antibody [clone rASTRO/789] (V3589)

Catalog No.	Formulation	Size
V3589-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3589-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3589SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3589IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

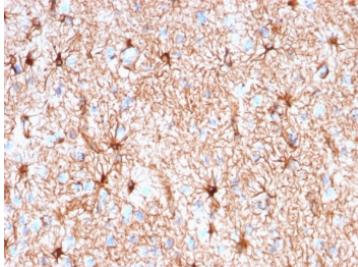
Recombinant **MOUSE MONOCLONAL**

Bulk quote request

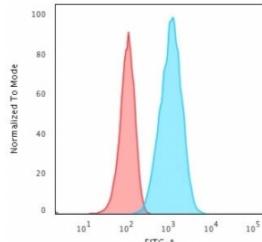
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rASTRO/789
Purity	Protein G affinity chromatography
UniProt	P14136
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10 ⁶ cells Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT
Limitations	This recombinant Glial Fibrillary Acidic Protein antibody is available for research use only.



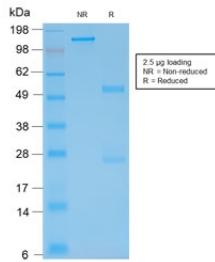
Western blot testing of human brain lysate with recombinant Glial Fibrillary Acidic Protein antibody (clone rASTRO/789). Predicted molecular weight ~50 kDa.



IHC testing of FFPE human cerebellum tissue with recombinant Glial Fibrillary Acidic Protein antibody (clone rASTRO/789). Required HIER: boil tissue sections in pH 9 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.

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.

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.

Immunogen

GFAP isolated from pig spinal cord was used as the immunogen for this recombinant Glial Fibrillary Acidic Protein antibody.

Storage

Store the recombinant Glial Fibrillary Acidic Protein antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).