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12-1184: Anti-GFAP (Astrocyte & Neural Stem Cell Marker) Recombinant Mouse Monoclonal Antibody (Clone:rASTRO/789)

Clonality :	Monoclonal
Clone Name :	rASTRO/789
Application :	FACS,WB,IHC
Reactivity :	Human, Mouse, Rat
Gene :	GFAP
Gene ID :	2670
Uniprot ID :	P14136
Format :	Purified
Alternative Name :	Astrocyte or Intermediate Filament Protein, Glial Fibrillary Acidic Protein (GFAP)
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant full-length human GFAP protein

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.

Product Info

Amount :	20 µg / 100 µg
Purification :	Protein A/G
Content :	200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2Ã‚µg/million cells);Western Blot (1-2Ã‚µg/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5Ã‚µg/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

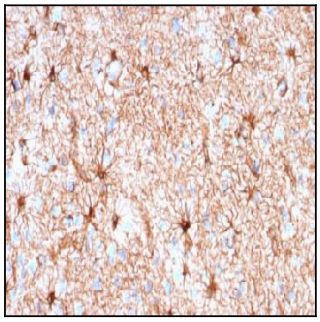

Figure 1: Formalin-fixed, paraffin-embedded human Cerebellum stained with GFAP Mouse Recombinant Monoclonal Antibody (rASTRO/789).

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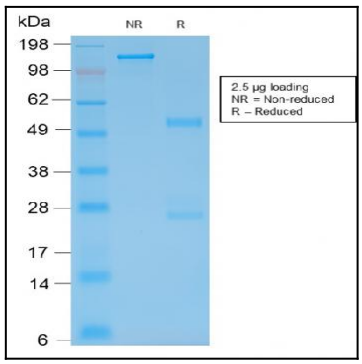

Figure 2: SDS-PAGE Analysis of Purified GFAP Mouse Recombinant Monoclonal Antibody (rASTRO/789).