

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

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

<b>Amount :</b>	20 µg / 100 µg
<b>Purification :</b>	Protein A/G
<b>Content :</b>	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.
<b>Storage condition :</b>	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 (1-2 $\times$ 10<sup>5</sup>µg/million cells); Western Blot (1-2 $\times$ 10<sup>5</sup>µg/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5 $\times$ 10<sup>5</sup>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°C followed by cooling at RT for 20 minutes);

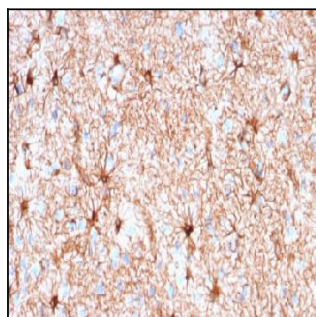


Figure 1: Formalin-fixed, paraffin-embedded human Cerebellum stained with GFAP Mouse Recombinant Monoclonal Antibody (rASTRO/789).

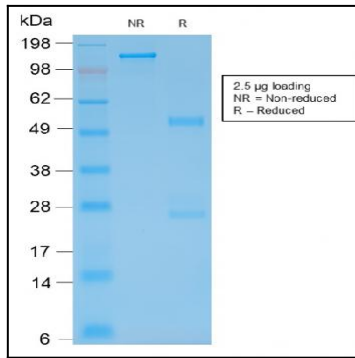


Figure 2: SDS-PAGE Analysis of Purified GFAP Mouse Recombinant Monoclonal Antibody (rASTRO/789).