

36-1174: Monoclonal Antibody to GFAP (Astrocyte & Neural Stem Cell Marker)(GA-5 + ASTRO/789)

Clonality :	Monoclonal
Clone Name :	GA-5 + ASTRO/789
Application :	FACS,IF,WB,IHC
Reactivity :	Human, Mouse, Rat
Gene :	GFAP
Gene ID :	2670
Uniprot ID :	P14136
Format :	Purified
Alternative Name :	GFAP
Isotype :	Mouse IgG1, kappa
Immunogen Information :	GFAP isolated from pig spinal cord (GA-5); Recombinant GFAP protein (ASTRO/789)

Description

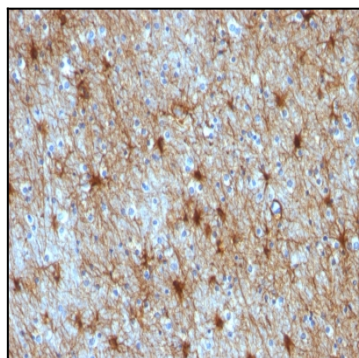
This MAb recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. GFAP is a very popular marker for localizing benign astrocyte and neoplastic cells of glial 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

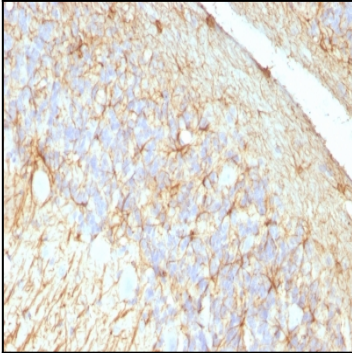
Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

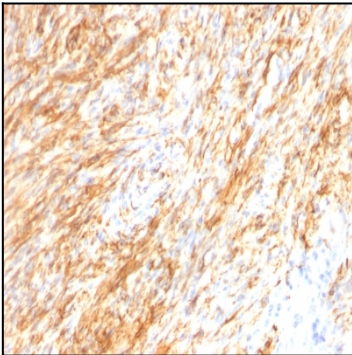
Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed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



Formalin-fixed, paraffin-embedded human Cerebellum stained with GFAP Monoclonal Antibody (GA-5 + ASTRO/789).



Formalin-fixed, paraffin-embedded Rat Cerebellum stained with GFAP Monoclonal Antibody (GA-5 + ASTRO/789).



Formalin-fixed, paraffin-embedded human Schwannoma stained with GFAP Monoclonal Antibody (GA-5 + ASTRO/789).