

### 36-1172: Monoclonal Antibody to GFAP (Astrocyte & Neural Stem Cell Marker)(Clone : SPM507)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM507
<b>Application :</b>	FACS,IF,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>	GFAP
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	GFAP isolated from pig spinal cord

#### Description

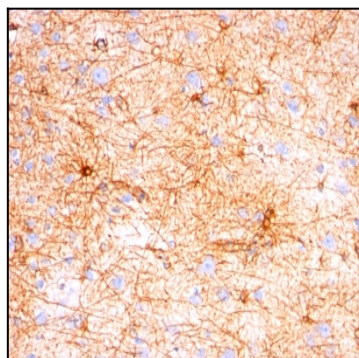
This MAb recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. GFAP is a very popular marker for localizing benign astrocyte and neoplastic cells of glial 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>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	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) (1-2ug/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 (SPM507).