Data Sheet (Cat.No.TMAC-01647)

Anti-GFAP Antibody (7W409)

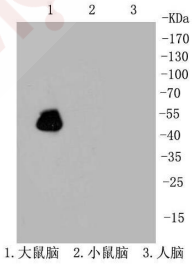
Product Details

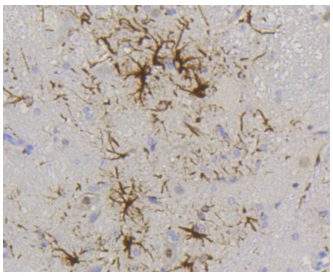
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 50 kDa.
Clone:	7W409
Purification:	ProA affinity purified

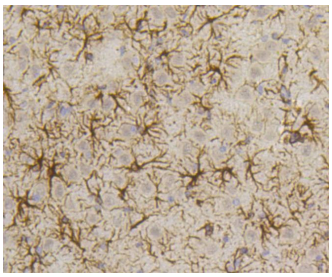
Applications

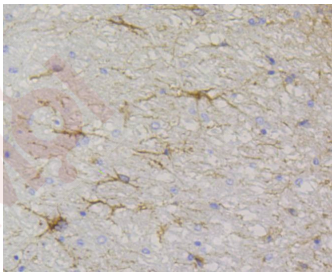
Verified Activity:

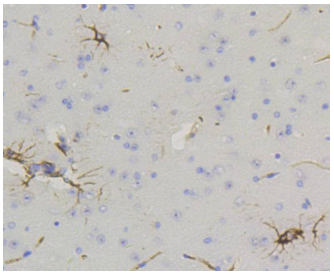
1. Western blot analysis of GFAP on rat brain lysates using anti-GFAP antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded rat spinal cord tissue using anti-GFAP antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-GFAP antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse spinal cord tissue using anti-GFAP antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-GFAP antibody. Counter stained with hematoxylin.
6. All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.
7. Immunofluorescent analysis of SH-SY5Y cells, using GFAP Antibody.

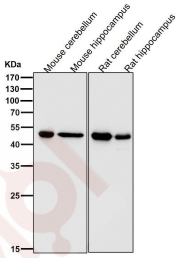


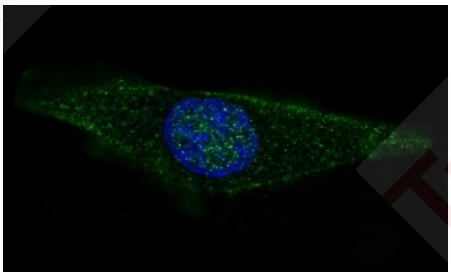












Application: ICC/IF,IHC,IP,WB

Recommended: WB: 1:1000-5000; IHC: 1:100-200; ICC/IF: 1:50-200; IP: 1:20-50

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P14136

Synonyms: GFAP;Glial Fibrillary Acidic Protein

Research Background

GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells. In particular, vimentin filaments are present at early developmental stages, while GFAP filaments are characteristic of differentiated and mature brain astrocytes. In addition, GFAP intermediate filaments are also present in nonmyelin-forming Schwann cells in the peripheral nervous system.

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