Data Sheet (Cat.No.TMAB-06443)

Anti-GFAP Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 48 kDa. Actual: 50 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Measured by its binding ability in a indirect ELISA. Immobilized Human GFAP protein, His Tag at 2 μg/mL (100 μL/well) can bind Rabbit Anti-Human GFAP Antibody, the EC50 is 540.1 ng/mL. 2. 25 μg total protein per lane of various lysates (see on figure) probed with GFAP polyclonal antibody, unconjugated (TMAB-06443) at 1: 20000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min. 3. 4% Paraformaldehyde-fixed U87-MG (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (GFAP) polyclonal Antibody, unconjugated (TMAB-06443) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.
Application:	WB,ICC/IF,ELISA,FCM
Recommended	WB=1:5000-20000,ICC/IF=1:100-500,ELISA=1:5000-10000,FCM=1:50-100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. 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: human GFAP protein
Antigen Species:	Human
Gene ID:	2670
Uniprot ID:	P14136

Research Background

This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481