

Anti-GFAP Antibody

R1308-10



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IF-Cell, IHC-P
Molecular Wt:	Predicted band size: 50 kDa

Description: 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.

Immunogen: Synthetic peptide within C-terminal residues of GFAP.

Positive control: Human brain, A172, mouse brain tissue lysate, rat brain tissue lysate.

Subcellular location: Cytoplasm, Intermediate filament.

Database links: SwissProt: P14136 Human

Recommended Dilutions:

WB	1:5,000-1:10,000
IF-Cell	1:50-1:100
IHC-P	1:200

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

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Images

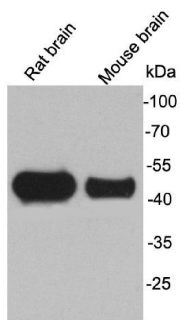


Fig1: Western blot analysis on rat and mouse brain tissue lysates using anti-GFAP rabbit polyclonal antibodies.

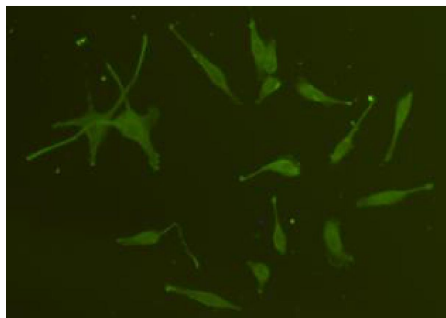


Fig2: Immunofluorescent staining of A172 cells using anti- GFAP rabbit polyclonal antibody.

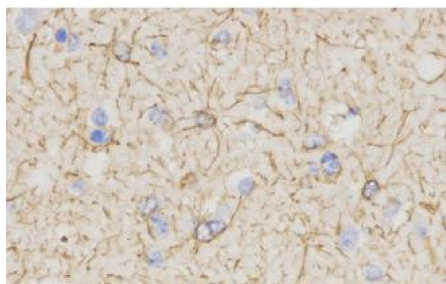


Fig3: Immunohistochemical analysis of paraffin-embedded human brain tissue using anti-GFAP rabbit polyclonal antibody.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. "A new splice variant of glial fibrillary acidic protein GFAPepsilon, interacts with the presenilin proteins." Nielsen A.L., Holm I.E., Johansen M., Bonven B., Jorgensen P., Jorgensen A.L. J. Biol. Chem. 277:29983-29991(2002)
2. "Mutations in GFAP, encoding glial fibrillary acidic protein, are associated with Alexander disease." Brenner M., Johnson A.B., Boespflug-Tanguy O., Rodriguez D., Goldman J.E., Messing A. Nat. Genet. 27:117-120(2001)

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