

Anti-GFAP Antibody (Monoclonal, G-A-5)

Catalog Number: MA1045

About Gfap

Glial fibrillary acidic protein (GFAP) is an intermediate filament protein of 52Kda. GFAP gene is mapped to human 17q21. GFAP is a useful marker of astroglia in the brain. Mutations in GFAP, encoding glial fibrillary acidic protein, are associated with Alexander disease.

Overview

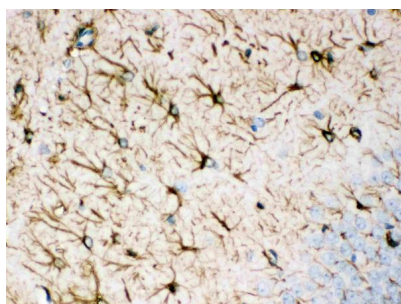
Product Name	Anti-GFAP Antibody (Monoclonal, G-A-5)
Reactive Species	Human, Pig, Rat
Description	Mouse IgG monoclonal antibody for GFAP, glial fibrillary acidic protein (GFAP) detection. Tested with WB, IHC-P, IHC-F, IF in Human; pig; rat. No cross reactivity with other proteins.
Application	IF, IHC-P, IHC-F, WB
Clonality	Monoclonal G-A-5
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Storage Instructions	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	P47819

Technical Details

Immunogen	GFAP from pig spinal cord.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P) and IHC(F).

Cross Reactivity	No cross reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
Purification	Ascites
Suggested Dilutions	Western blot, 0.5-1µg/ml, Human, pig, rat Immunohistochemistry(Paraffin-embedded Section), 0.4-1µg/ml, Human, pig, rat, By Heat Immunohistochemistry(Frozen Section), 0.5-1µg/ml, Human, pig, rat, - Immunofluorescence, 2µg/ml, Rat For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/

Anti-GFAP Antibody (Monoclonal, G-A-5) (MA1045) Images



Anti- GFAP antibody, MA1045, IHC(P)
IHC(P): Rat Brain Tissue

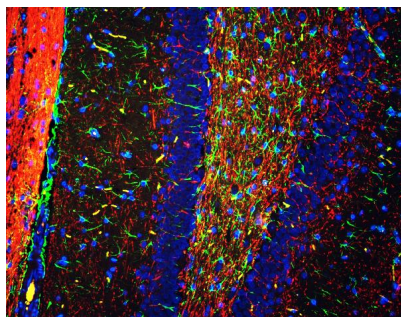


Figure 2. IF analysis of GFAP, MBP using anti- GFAP, MBP antibody (MA1045, PA1050)
GFAP, MBP was detected in paraffin-embedded section of rat brain tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1½µg/mL rabbit anti- GFAP, MBP Antibody (MA1045, PA1050) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Mouse IgG (BA1126), Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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