

GFAP Monoclonal Antibody (S.880.0)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	S.880.0
Conjugate	Unconjugated
Immunogen	Native GFAP purified from pig spinal cord
Form	Liquid
Concentration	231 µg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	<0.02% sodium azide
Storage conditions	-20°C
RRID	AB_10981734

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	1 Publication
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	-	3 Publications

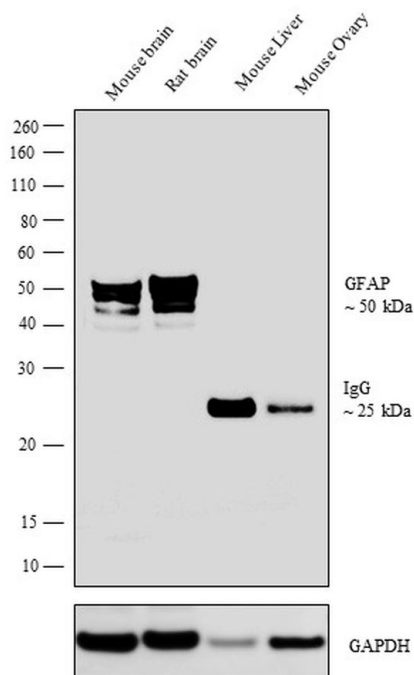
Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For GFAP Monoclonal Antibody (S.880.0)

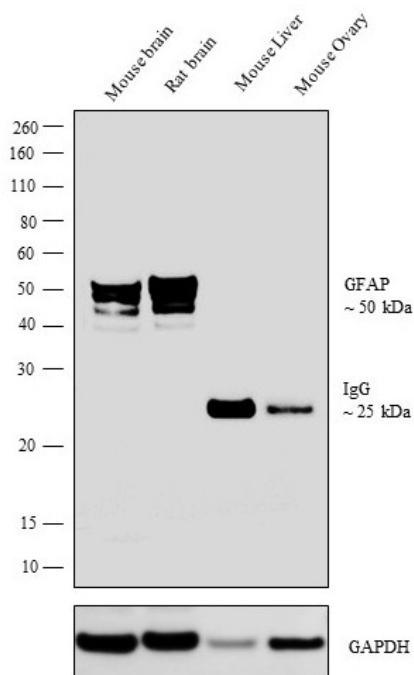
GFAP Antibody (MA5-15086) in WB

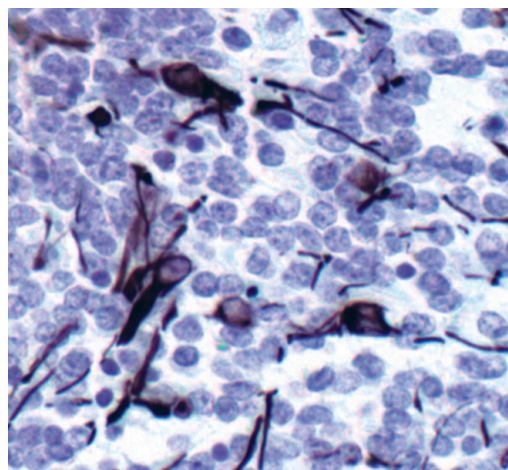
Western blot analysis was performed on tissue extracts (30 µg lysate) of Mouse brain (Lane 1), Rat brain (Lane 2), Mouse Liver (Lane 3) and Mouse Ovary (Lane 4). The blot was probed with Anti-GFAP Monoclonal Antibody (S.880.0) (Product # MA5-15086, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 50 kDa band corresponding to GFAP was observed in the Mouse and Rat brain, while it was not detected in Mouse Liver and Ovary (detecting only IgG at ~25 kDa).



GFAP Antibody (MA5-15086)

Antibody specificity was demonstrated by detection of differential basal expression of the target in tissues owing to their inherent genetic constitution. Differential basal expression of GFAP was observed across the tissues where the brain samples tested positive for GFAP using product (Product # MA5-15086) in western blot. {RE}





GFAP Antibody (MA5-15086) in IHC (P)

Immunohistochemical analysis of GFAP in paraffin-embedded human medulloblastoma using a GFAP monoclonal antibody (Product # MA5-15086).

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Western Blot (1)

Journal of neuroscience research

Mutant disrupted-in-schizophrenia 1 in astrocytes: focus on glutamate metabolism.

"MA5-15086 was used in western blot to characterize the mutant disrupted-in-schizophrenia 1 protein in astrocytes"

Authors: Abazyan S,Yang EJ,Abazyan B,Xia M,Yang C,Rojas C,Slusher B,Sattler R,Pletnikov M

Year
2014

Species
Mouse

Dilution
1:2000

Immunohistochemistry (2)

Molecular vision

Nestin contributes to laser choroidal and retinal neovascularization.

"MA5-15086 was used in Immunohistochemistry to examine the role of nestin in choroidal and retinal neovascularization."

Authors: Miloudi S,Valensi M,El Sanharawi M,Abitbol MM,Behar-Cohen F,Versaux-Botteri C

Year
2022

Species
Rat

Dilution
1:500

Annals of neurology

Cardiac Investigations in Sudden Unexpected Death in DEPDC5-Related Epilepsy.

"MA5-15086 was used in Immunohistochemistry to demonstrate DEPDC5 haploinsufficiency predisposes to primary cardiac defects that could contribute to SUDEP and therefore impact the clinical management of patients at high risk of SUDEP."

Authors: Bacq A,Roussel D,Bonduelle T,Zagaglia S,Maletic M,Ribierre T,Adle-Biasette H,Marchal C,Jennesson M,An I, Picard F,Navarro V,Sisodiya SM,Baulac S

Year
2022

Species
Mouse

Dilution
1:300

Immunocytochemistry (3)

PloS one

Direct interaction of HIV gp120 with neuronal CXCR4 and CCR5 receptors induces cofilin-actin rod pathology via a cellular prion protein- and NOX-dependent mechanism.

"MA5-15086 was used in Immunocytochemistry to report that the HIV viral envelope glycoprotein gp120 induces the formation of aberrant, rod-shaped cofilin-actin inclusions (rods) in cultured mouse hippocampal neurons via a signaling pathway common to other neurodegenerative stimuli including oligomeric, soluble amyloid- and proinflammatory cytokines."

Authors: Smith LK,Babcock IW,Minamide LS,Shaw AE,Bamburg JR,Kuhn TB

Year
2021

Species
Mouse

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