

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	2 Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	-	4 Publications

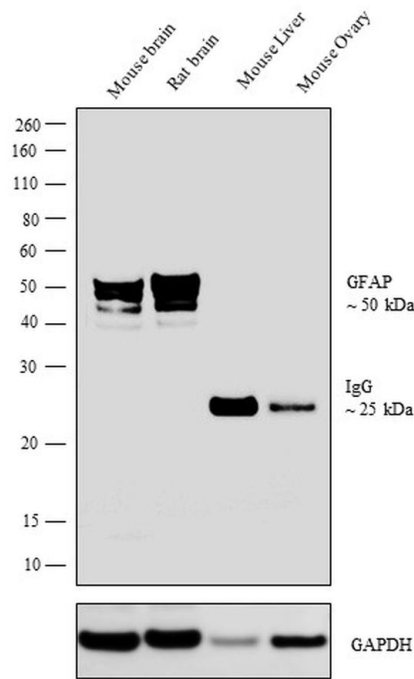
Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For GFAP Monoclonal Antibody (S.880.0)

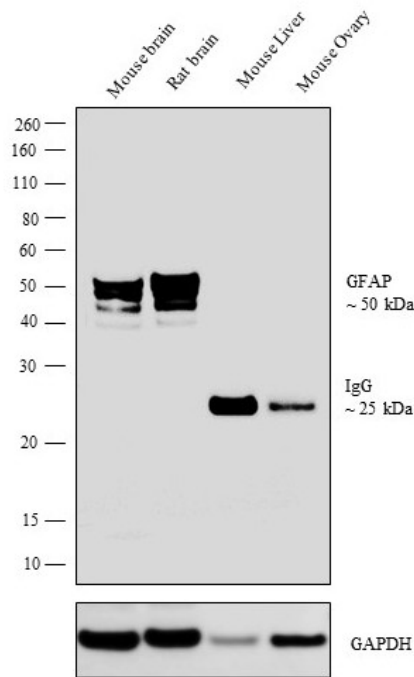
GFAP Antibody (MA5-15086) in WB

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}



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Western Blot (2)

Brain, behavior, & immunity - health	Year 2023
Impact of broad-spectrum antibiotics on the gut-microbiota-spleen-brain axis.	Species Mouse
"MA5-15086 was used in Western Blotting to investigate whether microbiome depletion induced by administration of an antibiotic cocktail (ABX) affects spleen and brain function."	Dilution 1:1,000
Authors: Wan X,Eguchi A,Sakamoto A,Fujita Y,Yang Y,Qu Y,Hatano M,Mori C,Hashimoto K	
Journal of neuroscience research	Year 2014
Mutant disrupted-in-schizophrenia 1 in astrocytes: focus on glutamate metabolism.	Species Mouse
"MA5-15086 was used in western blot to characterize the mutant disrupted-in-schizophrenia 1 protein in astrocytes"	Dilution 1:2000
Authors: Abazyan S,Yang EJ,Abazyan B,Xia M,Yang C,Rojas C,Slusher B,Sattler R,Pletnikov M	

Immunohistochemistry (3)

Molecular vision	Year 2022
Nestin contributes to laser choroidal and retinal neovascularization.	Species Rat
"MA5-15086 was used in Immunohistochemistry to examine the role of nestin in choroidal and retinal neovascularization."	Dilution 1:500
Authors: Miloudi S,Valensi M,El Sanharawi M,Abitbol MM,Behar-Cohen F,Versaux-Botteri C	
Annals of neurology	Year 2022
Cardiac Investigations in Sudden Unexpected Death in DEPDC5-Related Epilepsy.	Species Mouse
"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."	Dilution 1:300
Authors: Bacq A,Roussel D,Bonduelle T,Zagaglia S,Maletic M,Ribierre T,Adle-Biassette H,Marchal C,Jennesson M,An I, Picard F,Navarro V,Sisodiya SM,Baulac S	

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ICC/IF (4)

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