

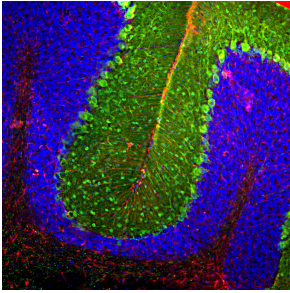
Anti-GFAP Antibody [2A5] (A104314)

Specifications:

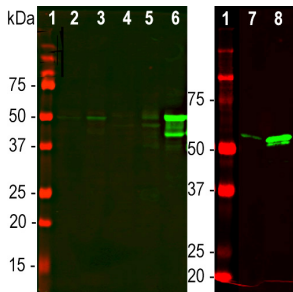
Name:	Anti-GFAP Antibody [2A5]
Description:	Mouse monoclonal (2A5) antibody to GFAP.
Specificity:	The epitope for this antibody is in the N-terminal region of the alpha helical coiled-coil region of GFAP, a 147 amino acid region from 71-217 of human GFAP isotype 1.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:2,000, ICC/IF: 1:500, IHC: 1:500
Reactivity:	Human, Rat, Mouse, Bovine, Porcine
Immunogen:	GFAP isolated biochemically from pig spinal cord.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	2A5
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	50 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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Images:



Immunofluorescent analysis of an adult rat cerebellum section stained with Anti-GFAP Antibody (1:500 | red) and co-stained with Anti-Parvalbumin Antibody (1:2,000 | green). The blue is DAPI staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, and free-floating 45 μ M sections were stained with above antibodies. The Anti-GFAP Antibody stains the processes of Bergmann glia and astrocytes. The Anti-Parvalbumin Antibody labels perikarya and dendrites of Purkinje cells and interneurons in the molecular layer of the cerebellum. The staining on rodent tissues is specific but not as robust as on human material.



Western blot analysis of equal amount of total protein from different tissue lysates and recombinant proteins solutions using Anti-GFAP Antibody (1:2,000 | green): [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] pig brain, [7] rat recombinant GFAP, [8] human recombinant GFAP. Bands around 50kDa correspond to alternative transcripts and proteolytic products of GFAP. Note that Anti-GFAP Antibody has significantly stronger reactivity with pig and human GFAP as compared to rodent, suggesting that it binds to an epitope which is not totally conserved across mammalian sequences.