

Anti-Glial fibrillary acidic protein (GFAP) Antibody

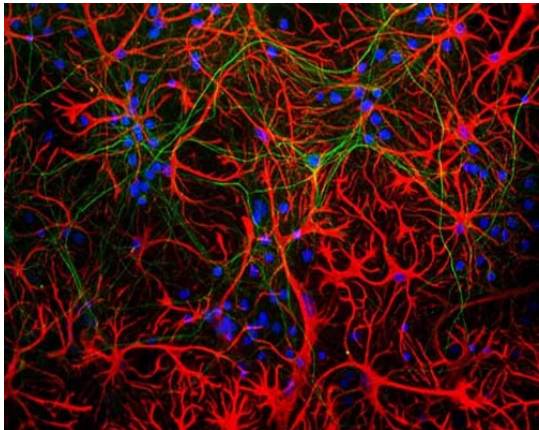


Product Details

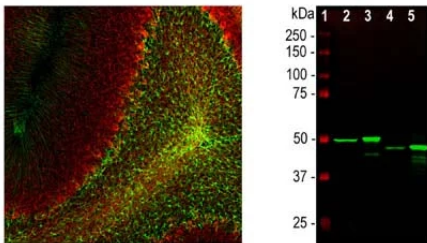
Available Variants	100 µg (SKU:M-1375-100)
Conjugate	Unconjugated
Isotype	IgG1
Clone	5C10
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000 IHC: 1:500-1:1000 ICC: 1:500-1:1000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	Purified GFAP from porcine spinal cord
Specificity	The specificity of this antibody has been confirmed by WB. Human, rat, mouse, bovine, Porcine. Predicted to react with other mammalian and avian species.
Molecular Weight	50 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	Q8WP16

Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Mixed neuron-glia cultures stained with Mouse monoclonal antibody to Glial Fibrillary Acidic Protein [5C10] M-1375-100 (red) and chicken polyclonal antibody to neurofilament L C-1390-50 (green). The GFAP antibody stains the network of astrocytes in these cultures, while the NF-L antibody stains neurons and their processes. The blue channel shows the localization of DNA.



Right: Detection of GFAP expression in rat cerebellum by **Immunohistochemistry** with mouse antibody to GFAP (1:1,000, green), and co-stained with rabbit antibody to NF-L (R-1392-50, 1:2,000, red). IHC Method: Following transcardial perfusion with 4% PFA, brain was post-fixed for 24 hours, cut to 45 um sections, and free-floating sections were stained. Clone 5C10 stains a network of astroglial cells, while the NF-L antibody labels neuronal cells and their processes. **Right: Western blot** analysis of whole tissue lysates using mouse antibody to GFAP (1:2,000, green). [1] protein standard , [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. The strong band at about 50 kDa corresponds to the GFAP protein.

Product Page URL: www.antibodiesinc.com/products/anti-glial-fibrillary-acidic-protein-gfap-antibody-m-1375-100

