

Anti-Glial Fibrillary Acidic Protein (GFAP) Antibody

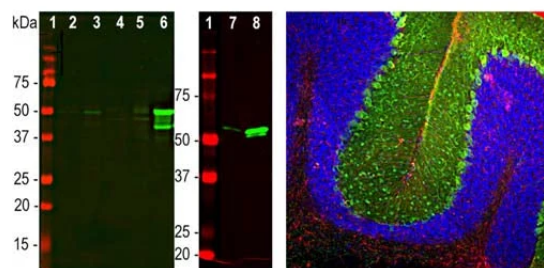


Product Details

Available Variants	100 µg (SKU:M-1827-100)
Conjugate	Unconjugated
Isotype	IgG1
Clone	2A5
Host Species	Mouse
Format	Affinity-purified
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	IHC, WB
Dilution Ranges	WB: 1:1000-1:2000 IHC: 1:500-1:1000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	GFAP isolated biochemically from pig spinal cord was used as the immunogen.
Specificity	This antibody is specific for GFAP as demonstrated by Western blotting and immunohistochemistry.
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. Store lyophilized antibody at 2-8°C. After reconstitution divide into aliquots and store at -20°C for long-term storage. Store at 2-8°C short-term (up to 4 weeks) with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles.

UniProt ID	Q864W9
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



Left: **Western blot** analysis of GFAP expression in tissue homogenates. [1] protein standard, [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 50 kDa correspond to alternative transcripts and proteolytic products of GFAP. Primary antibody was diluted 1:2,000. Note that this 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. Right: Analysis of GFAP expression in an adult rat cerebellum section by **Immunohistochemistry**. Primary antibodies: mouse anti-GFAP (red, 1:500), chicken anti-Parvalbumin (C-1814-50, green, 1:2,000). Blue: DAPI nuclear stain. IHC Method: Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post-fixed for 24 hours, and free-floating 45 μ m sections were stained. The GFAP antibody stains the processes of Bergmann glia and astrocytes. The 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.

Product Page URL: www.antibodiesinc.com/products/anti-glial-fibrillary-acidic-protein-gfap-antibody-m-1827-100

