

Anti-GFAP Antibody

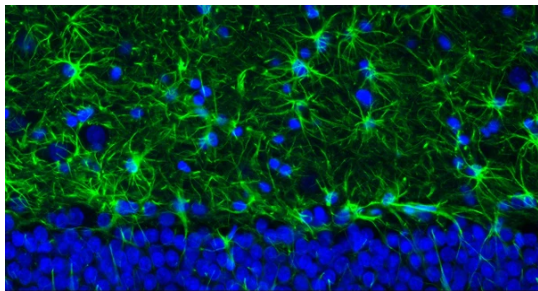


Product Details

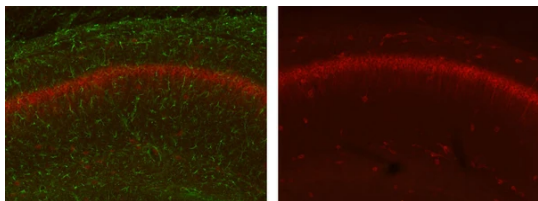
Available Variants	100 μ L (SKU:75-240) 20 μ L (SKU:75-240-020)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N206A/8
Gene Name	GFAP
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.125
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:1000 IHC: 1:500 ICC: 1:500
Species Reactivity	Drosophila, Guinea Pig, Human, Mouse, Non-Human Primate, Polar Bear, Rat
Immunogen	Synthetic peptide amino acids 411-422 (KTVEMRDGEVIK) of human GFAP (accession number P14136)
Specificity	Cross-reacts with GFAP-R416W and other GFAP mutant proteinsDoes not cross-react with other proteins (based on KO validation results)
Molecular Weight	50 kDa

Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Antibody Registry ID	AB_10672299
UniProt ID	P14136
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

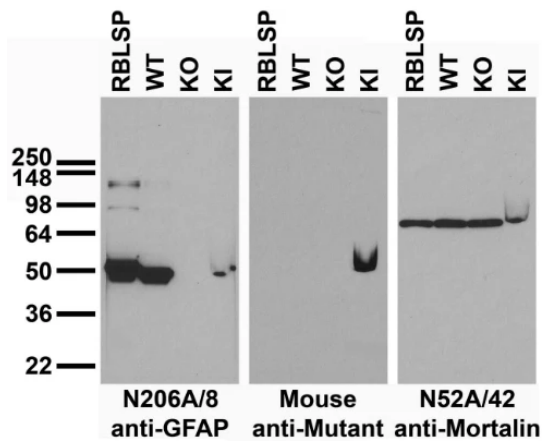
Product Images



Representative section of formalin fixed, paraffin-embedded rat brain hippocampus region showing staining of GFAP. The sections were stained with Antibodies Incorporated anti-GFAP antibody (visualized in green) (Cat. 75-240) at 1:500 dilution. The stained sections were mounted with Antibodies Incorporated FluoroshieldTM with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei. Anti-GFAP specifically stains the astrocytes in the rat brain.



Adult WT (left) and KO (right) mouse hippocampus immunofluorescence with N206A/8 (green) and KC rabbit anti-Kv2.1 (red). Brain samples courtesy of Albee Messing, University of Wisconsin at Madison.



Immunoblot versus low speed pellet samples from rat brain (RBLSP) and wild-type (WT), GFAP knockout (KO) and GFAP-R416W mutant knockin (KI) mice and probed with N206A/8 (left), mutant control(middle) and N52A/42 (right). Mutant control courtesy of Michael Brenner, University of Alabama at Birmingham.

Product Page URL: www.antibodiesinc.com/products/anti-gfap-antibody-n206a-8-75-240



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