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Product datasheet for 75-240

GFAP Mouse Monoclonal Antibody [Clone ID: N206A/8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	N206A/8
Applications:	IF, IHC, WB
Recommend Dilution:	Immunoblot (IB) Immunohistochemistry (IHC) Immunocytochemistry (ICC)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide amino acids 411-422 (KTVEMRDGEVIK) of human GFAP (also known as Glial fibrillary acidic protein, accession number P14136). Rat: 100% identity (12/12 amino acids identical). Mouse: 100% identity (12/12 amino acids identical). >50% identity with other proteins (Vimentin, Desmin, Tumor protein p73 and Peripherin).
Specificity:	Cross-reacts with GFAP-R416W and other GFAP mutant proteins. Does not cross-react with other proteins (based on KO validation results).
Formulation:	State: Purified
Gene Name:	glial fibrillary acidic protein
Database Link:	Entrez Gene 2670 Human
Synonyms:	Glial Fibrillary Acidic Protein

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Note: USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATERIALS. The suggested acknowledgment statement is as follows: "The monoclonal antibody _ was developed by and/or obtained from the UC Davis/NIH NeuroMab Facility, supported by NIH grant U24NS050606 and maintained by the Department of Neurobiology, Physiology and Behavior, College of Biological Sciences, University of California, Davis, CA 95616."
Also, please include the complete clone number (e.g., N52A/42) and the Antibody Registry identification number (e.g., RRID:AB_2120479) to avoid ambiguity.
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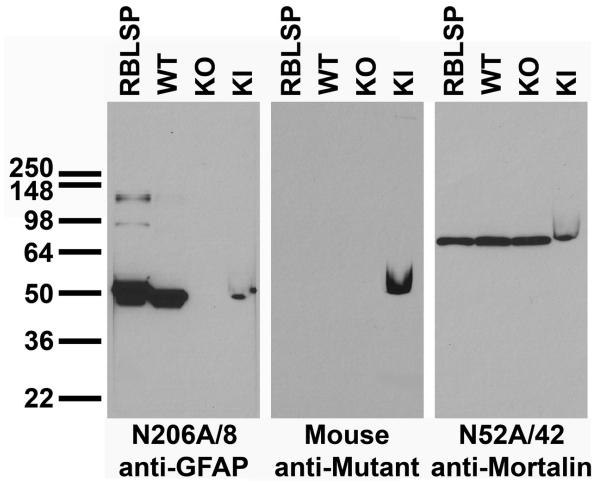
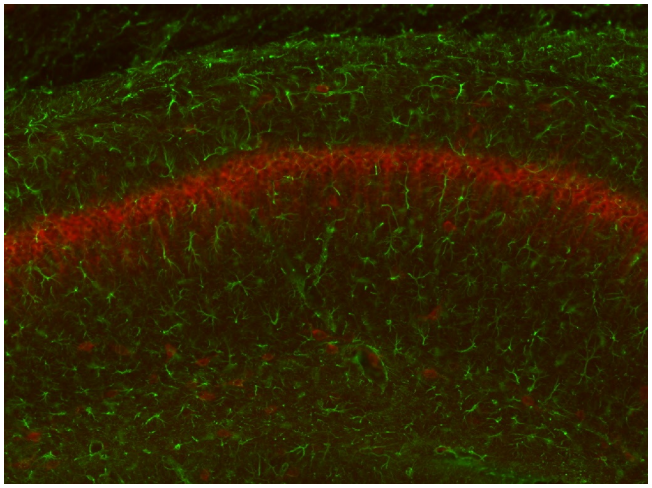
Product images:



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.



Adult WT and KO 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.