

# Product Datasheet

## GFAP Antibody - Azide and BSA Free NB110-93480

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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### Publications: 2

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**NB110-93480**

GFAP Antibody - Azide and BSA Free

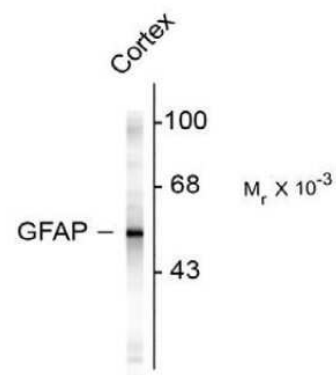
Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Unpurified
Buffer	Neat whole antisera
Target Molecular Weight	50 kDa

Product Description	
Description	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage).
Host	Rabbit
Gene ID	2670
Gene Symbol	GFAP
Species	Human, Mouse, Rat, Bovine, Equine
Reactivity Notes	It is expected that the antibody will react with other mammalian tissues.
Marker	Astrocyte Marker
Specificity/Sensitivity	Specific for the 50 kDa GFAP protein. A lower band at 45 kDa is a proteolytic fragment derived from the GFAP molecule.
Immunogen	This GFAP Antibody was developed against recombinant and purified bovine GFAP. Accession # Q28115

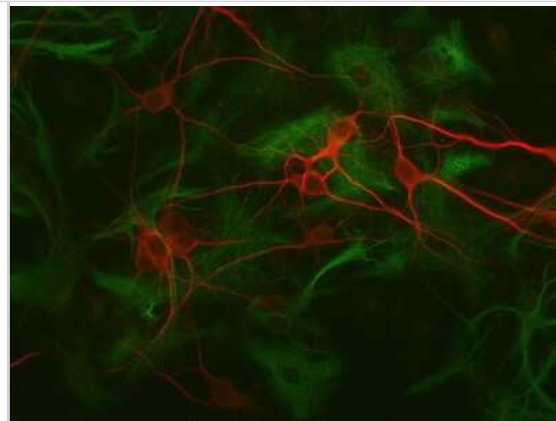
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:5000, Immunohistochemistry 1:300 - 1:5000, Immunocytochemistry/ Immunofluorescence 1:1000

**Images**

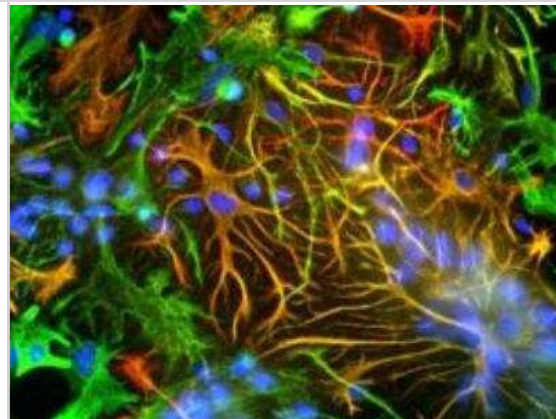
Western Blot: GFAP Antibody [NB110-93480] - Rat cortex lysate showing specific immunolabeling of the ~ 50k GFAP protein.



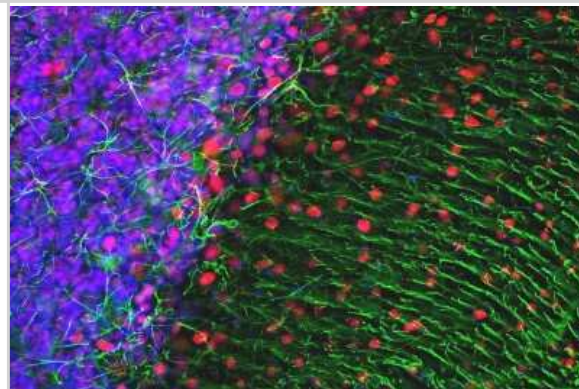
Immunocytochemistry/Immunofluorescence: GFAP Antibody [NB110-93480] - Immunolabeling of mouse hippocampal cultures labeled with Anti-GFAP (1:1000, green) and anti-MAP2 (1:1000, red).



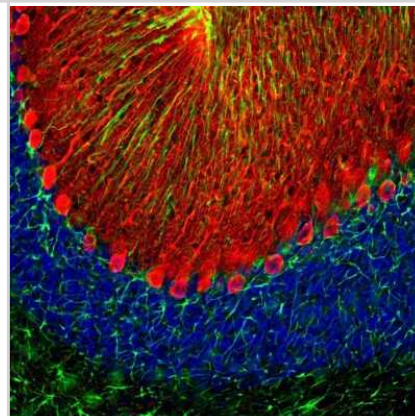
Immunocytochemistry/Immunofluorescence: GFAP Antibody [NB110-93480] - Showing specific labeling of GFAP (red) and vimentin (green) cultured neurons and glia. Cells containing GFAP and vimentin appear yellow.



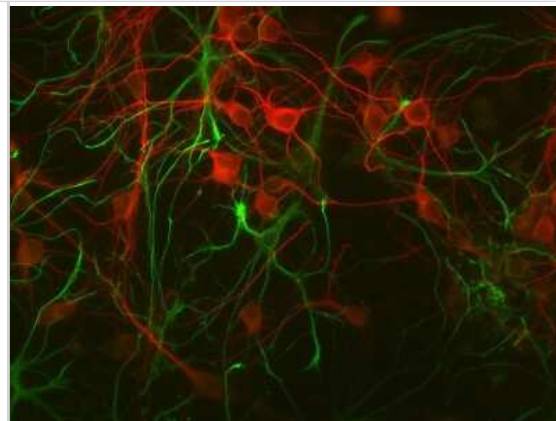
Immunocytochemistry/Immunofluorescence: GFAP Antibody [NB110-93480] - Immunofluorescence of a section of rat cerebellum labeled with anti-GFAP (1:5000, green), colabeled with anti-MeCP2 (1:500, red), and DAPI staining of nuclear DNA. The anti-GFAP labels the astrocytic cells and the processes of Bergmann glia in the molecular layer.



Immunocytochemistry/Immunofluorescence: GFAP Antibody [NB110-93480] - Immunofluorescence of a section of rat cerebellum labeled with anti-GFAP (1:5000, green), colabeled with anti-calbindin (1:2,000, red), and DAPI staining of nuclear DNA. The anti-calbindin prominently labels the dendrites and perikarya of Purkinje cells in the molecular layer of the cerebellum. The anti-GFAP labels the processes of Bergmann glia in the molecular layer and the astroglia in the granular and white layers of the cerebellum.



Immunocytochemistry/Immunofluorescence: GFAP Antibody [NB110-93480] - Immunolabeling of mouse cortical cultures labeled with Anti-GFAP (1:1000, green) and anti-MAP2 (1:1000, red).



## Publications

Feng Y, Yang L, Ma X et al. Photobiomodulation treatment inhibits neurotoxic astrocytic polarization and protects neurons in in vitro and in vivo stroke models *Neurochemistry international* 2022-12-17 [PMID: 36539162] (IHC-Fr, Mouse)

Chao TT, Wang CH, Chen HC et al. Adherent culture conditions enrich the side population obtained from the cochlear modiolus-derived stem/progenitor cells. *Int J Pediatr Otorhinolaryngol* 2013-03-09 [PMID: 23489885] (WB, ICC/IF, Mouse)



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### **Products Related to NB110-93480**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00002670-Q01-10ug	Recombinant Human GFAP GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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