Product Datasheet

GFAP Antibody (012) - Azide and BSA Free
NBP2-89203-100ul

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 17

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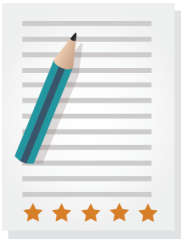
Updated 2/26/2025 v.20.1



NBP2-89203-100ul

GFAP Antibody (012) - Azide and BSA Free

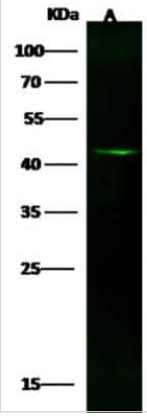
Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	012
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	0.2 um filtered solution in PBS
Target Molecular Weight	50 kDa

Product Description	
Description	This antibody can be stored at 2C-8C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20C to -80C. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Gene ID	2670
Gene Symbol	GFAP
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:35053826).
Immunogen	This antibody was obtained from a rabbit immunized with a synthetic peptide corresponding to the center region of the Human GFAP.

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:500-1:1000
Application Notes	Use in Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID:35053826) Use in Immunohistochemistry reported in scientific literature (PMID:34356853).

Images

Western Blot: GFAP Antibody (012) [NBP2-89203] - Lane A: Mouse brain tissue lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (DyLight 800) at 1:10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 50 kDa. Observed band size: 45 kDa.



Publications

Teng Y, Liu Z, Chen X et al. Conditional deficiency of m6A methyltransferase Mettl14 in substantia nigra alters dopaminergic neuron function Journal of Cellular and Molecular Medicine 2021-09-01 [PMID: 34288397] (Western Blot)

Na D, Yang Y, Xie L et al. Neuroinflammation in a Mouse Model of Alzheimer's Disease versus Auditory Dysfunction: Machine Learning Interpretation and Analysis Research square 2023-09-27 [PMID: 37841847] (IHC, Mouse)

Kopsidas C, Lowe C, McDaniel D et al. Sustained Generation of Neurons Destined for Neocortex with Oxidative Metabolic Upregulation upon Filamin Abrogation bioRxiv 2023-08-14

Tchantchou F, Hsia RC, Puche A, Fiskum G Hippocampal vulnerability to hyperhomocysteinemia worsens pathological outcomes of mild traumatic brain injury in rats Journal of central nervous system disease 2023-03-06 [PMID: 36909831] (IHC-FrFl, Rat)

Details:
Dilution: 1:3000

Apostolopoulou EP, Raikos N, Vlemmas I et al. Metallothionein I/II Expression and Metal Ion Levels in Correlation with Amyloid Beta Deposits in the Aged Feline Brain Brain sciences 2023-07-22 [PMID: 37509045] (IHC-P, Feline)

Details:
1:200 IHC-P dilution

Kang T, Cha GD, Park OK et al. Penetrative and Sustained Drug Delivery Using Injectable Hydrogel Nanocomposites for Postsurgical Brain Tumor Treatment ACS nano 2023-03-28 [PMID: 36926815]

Leem YH, Kim DY, Park JE, Kim HS Necrosulfonamide exerts neuroprotective effect by inhibiting necroptosis, neuroinflammation, and ?-synuclein oligomerization in a subacute MPTP mouse model of Parkinson's disease Scientific reports 2023-05-31 [PMID: 37258791] (IHC, Mouse)

de Paiva IHR, da Silva RS, Mendonça IP et al. Fructooligosaccharide (FOS) and Galactooligosaccharide (GOS) Improve Neuroinflammation and Cognition By Up-regulating IRS/PI3K/AKT Signaling Pathway in Diet-induced Obese Mice Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology 2023-06-29 [PMID: 37382830]

Weingarten A, Madjou T, Yeturu S et al. The absence of a neurogenic response to a repeated concussive-like injury in mice bioRxiv 2023-01-19

Tseng K, Stratoulias V, Hu W et al. Augmenting hematoma-scavenging capacity of innate immune cells by CDNF reduces brain injury and promotes functional recovery after intracerebral hemorrhage Research Square Jul 6 2022 12:00AM

Zampieri BL, Costa ACS Evidence of Energy Metabolism Alterations in Cultured Neonatal Astrocytes Derived from the Ts65Dn Mouse Model of Down Syndrome Brain sciences Jan 6 2022 12:00AM [PMID: 35053826] (ICC/IF, Mouse)

Perez Garcia G, Perez GM, Otero-Pagan A et al. Transcranial Laser Therapy Does Not Improve Cognitive and Post-Traumatic Stress Disorder-Related Behavioral Traits in Rats Exposed to Repetitive Low-Level Blast Injury Neurotrauma reports Dec 2 2021 12:00AM [PMID: 34901948] (IHC-Fr, Human)

More publications at http://www.novusbio.com/NBP2-89203

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-89203-100ul

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

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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