

Product Datasheet

GAP-43 Antibody (1E3) - BSA Free NBP1-92713-100uL

Unit Size: 100 uL

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

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technical@novusbio.com

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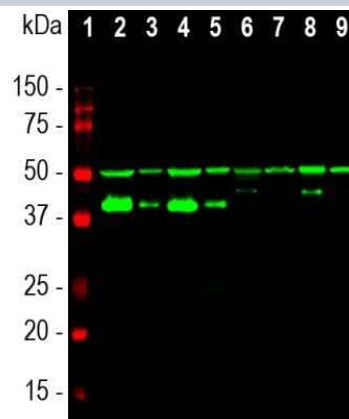
NBP1-92713-100uL

GAP-43 Antibody (1E3) - BSA Free

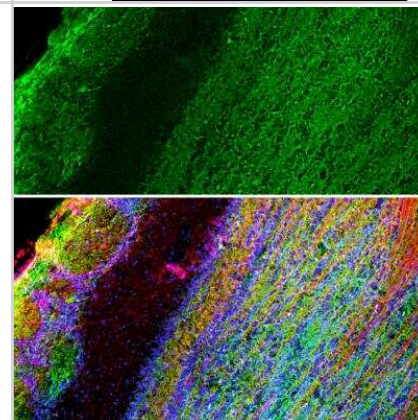
| Product Information | |
|------------------------------------|--|
| Unit Size | 100 uL |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 1E3 |
| Preservative | 0.035% Sodium Azide |
| Isotype | IgG1 |
| Purity | Immunogen affinity purified |
| Buffer | PBS, 50% glycerol |
| Target Molecular Weight | 43 kDa |
| Product Description | |
| Host | Mouse |
| Gene ID | 2596 |
| Gene Symbol | GAP43 |
| Species | Human, Mouse, Rat |
| Reactivity Notes | Mouse and rat. |
| Marker | Neuronal Marker |
| Immunogen | C-terminal peptide of rat and mouse GAP43 (KEDPEADQEHA) to which an N-terminal Cysteine residue was added to allow chemical coupling to Keyhole Limpet Hemocyanin carrier protein. |
| Product Application Details | |
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot 1:10000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000 |
| Application Notes | <p>This GAP43 (1E3) antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where a band can be seen at approximately 43 kDa.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p> |

Images

Western Blot: GAP-43 Antibody (1E3) [NBP1-92713] - Western blot of whole rat spinal cord lysates probed with GAP-43 antibody (1E3) antibody to GAP-43 in lane 16 and another similar antibody in lane 17. Dots in middle of strips indicate position of 50kDa and 37kDa protein bands. The strong single band running at about 43kDa corresponds to GAP-43.



Immunocytochemistry/Immunofluorescence: GAP-43 Antibody (1E3) [NBP1-92713] - Mixed neuronal cultures stained with GAP-43 antibody (1E3) (green), a rabbit antibody to microtubule associated protein 2 (red) and DNA (blue). The GAP-43 antibody stains the plasma membrane of neurons and is particularly concentrated in dendrites.



Publications

Jadhav S, Katina S, Kovac A. Truncated tau deregulates synaptic markers in rat model for human tauopathy *Front Cell Neurosci* 2015-03-11 [PMID: 25755633]

Huang H, Liu H, Yan R, Hu M. PI3K/Akt and ERK/MAPK Signaling Promote Different Aspects of Neuron Survival and Axonal Regrowth Following Rat Facial Nerve Axotomy. *Neurochem. Res.* 2017-10-09 [PMID: 28993995] (WB, Rat)



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 NBP1-92713-100uL

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1) |
| NBP2-53033-20ug | Recombinant Human GAP-43 His 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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