

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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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

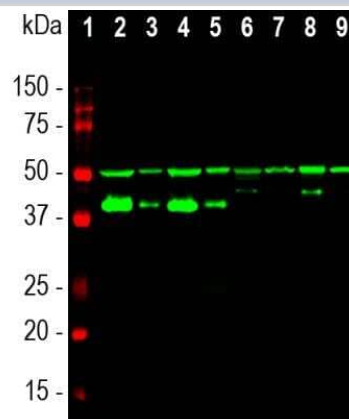
Product Description	
Description	Novus Biologicals Mouse GAP-43 Antibody (1E3) - BSA Free (NBP1-92713) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GAP-43 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	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>

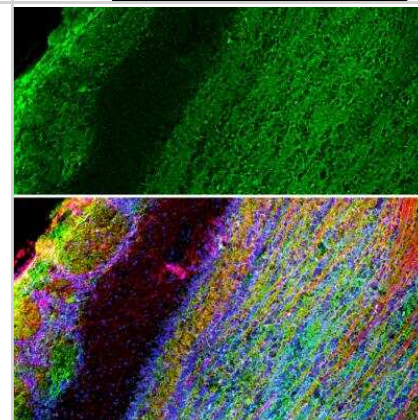


Images

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)



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Products Related to NBP1-92713-100uL

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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