

Product Datasheet

GAP-43 Antibody (5E8) - BSA Free NBP2-50052

Unit Size: 0.1 ml

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

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Publications: 3

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NBP2-50052

GAP-43 Antibody (5E8) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5E8
Preservative	5mM Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	43 kDa

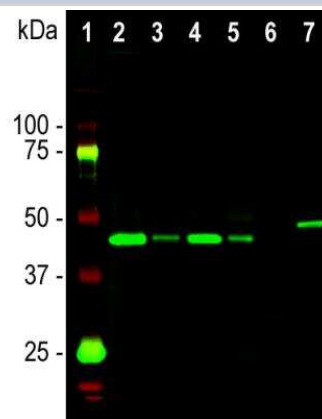
Product Description	
Description	Novus Biologicals Mouse GAP-43 Antibody (5E8) - BSA Free (NBP2-50052) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GAP-43 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2596
Gene Symbol	GAP43
Species	Human, Mouse, Rat
Immunogen	Recombinant full length human GAP-43. [UniProt# P17677]

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

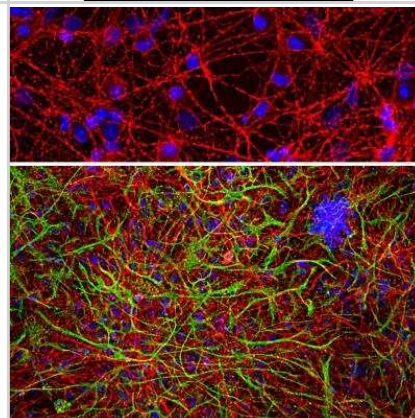


Images

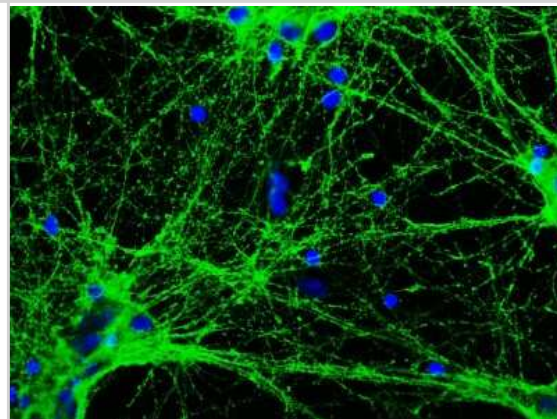
Western Blot: GAP-43 Antibody (5E8) [NBP2-50052] - Analysis of different tissue and cell lysates using mouse mAb to GAP43, NBP2-50052, dilution 1:2,000, in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] C6 cells, [7] SH-SY5Y cells. Single band at 43 kDa mark correspond to GAP43 protein. The protein is expressed in rodent and human neurons and neuronal derived cells but not in C6 cells which are of glial origin.



Immunocytochemistry/Immunofluorescence: GAP-43 Antibody (5E8) [NBP2-50052] - Analysis of cortical neuron-glia cell culture from E20 rat stained with mouse mAb to GAP43, NBP2-50052, dilution 1:1,000, in red, and costained with chicken pAb to GFAP, dilution 1:2,000, in green. The blue is DAPI staining of nuclear DNA. GAP43 antibody labels protein expressed in the axonal membrane of the neuronal cells, and GFAP antibody stains astroglia.



Immunocytochemistry/Immunofluorescence: GAP-43 Antibody (5E8) [NBP2-50052] - Mixed rat neuronal cultures stained with NBP2-50052 (green). The GAP43 antibody stains the plasma membrane of neurons and is particularly concentrated in dendrites.



Publications

Hanuscheck N, Thalman C, Domingues M et al. Interleukin-4 receptor signaling modulates neuronal network activity The Journal of experimental medicine 2022-06-06 [PMID: 35587822] (WB, Mouse)

Demyanenko, S, Gantsgorn, E Et al. Localization and Expression of Sirtuins 1, 2, 6 and Plasticity-Related Proteins in the Recovery Period after a Photothrombotic Stroke in Mice. J Stroke Cerebrovasc Dis 2020-10-01 [PMID: 32912518] (ICC/IF, Zebrafish)

Zhang C, Cui L, He W et al. DI-3-n-butylphthalide promotes neurite outgrowth of primary cortical neurons by Sonic Hedgehog signaling via upregulating Gap43 Experimental cell research 2020-12-06 [PMID: 33296663] (ICC/IF, WB, Mouse)



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Products Related to NBP2-50052

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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