

Product Datasheet

UCH-L1/PGP9.5 Antibody (BH7) - BSA Free NB110-58869

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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NB110-58869

UCH-L1/PGP9.5 Antibody (BH7) - 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	BH7
Preservative	0.035% Sodium Azide
Isotype	IgG1
Purity	Affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	24 kDa

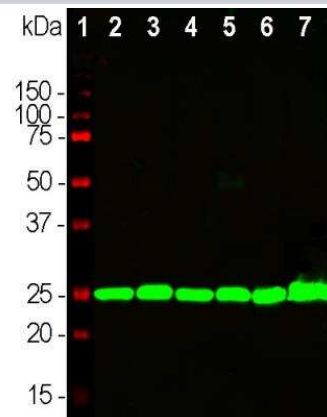
Product Description	
Description	Novus Biologicals Mouse UCH-L1/PGP9.5 Antibody (BH7) - BSA Free (NB110-58869) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-UCH-L1/PGP9.5 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7345
Gene Symbol	UCHL1
Species	Human, Mouse, Rat, Porcine, Bovine, Equine
Marker	pan-Neuronal Marker
Immunogen	Recombinant full length human UCHL1 purified from E. coli. [Swiss-Prot# P09936]

Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:20000, Simple Western 1:20,000, Immunohistochemistry 1:2000, Immunocytochemistry/ Immunofluorescence 1:2000, Immunohistochemistry Free-Floating 1:2000
Application Notes	<p>This UCHL1 antibody is useful for Immunocytochemistry/Immunofluorescence, Immunohistochemistry and Western Blot, where a band can be seen at approximately 24 kDa.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>See Simple Western Antibody Database for Simple Western validation: Tested in Human Brain lysate 0.02 mg/mL, separated by Size, antibody dilution of 1:20,000. Separated by Size-Wes, Sally Sue/Peggy Sue.</p>

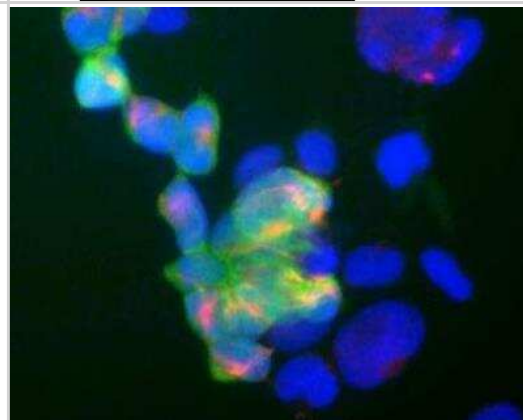


Images

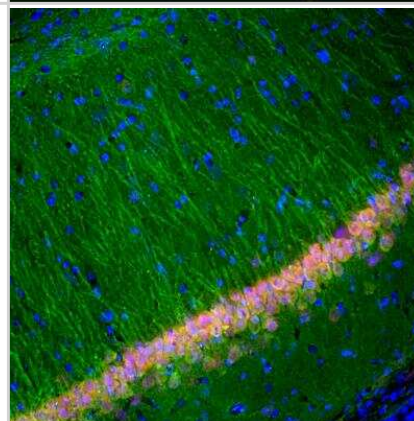
Western Blot: UCH-L1/PGP9.5 Antibody (BH7) [NB110-58869] - Analysis of tissue lysates using mouse mAb to UCHL1, NB110-58869, dilution 1:10,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] pig brain, [7] pig spinal cord. The single band at 24kDa corresponds to the UCHL1 protein.



Immunocytochemistry/Immunofluorescence: PGP9.5 / UCHL-1 Antibody (BH7) [NB110-58869] - Shows human embryonic kidney cell line 293 stained with mouse monoclonal to UCHL1 (NB110-58869) (green) and rabbit antibody to neurofilament NF-M, (NB300-133), (red). Blue is a DNA stain. Note that some of the Hek293 cells, which perhaps surprisingly have some properties of neuronal lineage cells (4), are beginning to express both UCHL1 and NF-M, both markers of neurons. The majority of cells, however express neither protein. Note that the UCHL1 is cytoplasmic and diffuse while the NF-M is concentrated in cytoplasmic filaments.



Immunohistochemistry Free-Floating: UCH-L1/PGP9.5 Antibody (BH7) [NB110-58869] - Analysis of rat hippocampal section stained with mouse mAb to UCHL1, NB110-58869, dilution 1:5,000 in green and costained with rabbit pAb to FOX/NeuN, dilution 1:2,000, in red. The blue is DAPI staining of nuclear DNA. Following transcatheter perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μ m, and free-floating sections were stained with above antibodies. The UCHL1 antibody stains the cell body and dendrites of hippocampal neurons, while the FOX3 antibody labels nuclei of the neuronal cells.



Simple Western: PGP9.5 / UCHL-1 Antibody (BH7) [NB110-58869] - Simple Western lane view shows a specific band for PGP9.5/UCHL-1 in 0.02 mg/ml of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Zhang M, Deng Y, Luo Y et al. Control of BACE1 degradation and APP processing by ubiquitin carboxyl-terminal hydrolase L1. *Journal of Neurochemistry*. 2011-12-30 [PMID: 22212137] (WB, Human)



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Products Related to NB110-58869

NBL1-17575	UCH-L1/PGP9.5 Overexpression Lysate
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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