

# Product Datasheet

## UCH-L1/PGP9.5 Antibody NB110-58874

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: 2

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**NB110-58874**

## UCH-L1/PGP9.5 Antibody

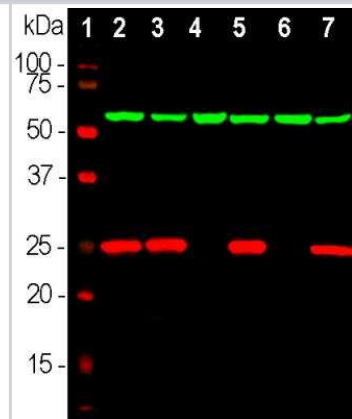
Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	5mM Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Supplied as serum
Target Molecular Weight	24 kDa

Product Description	
Host	Rabbit
Gene Symbol	UCHL1
Species	Human, Mouse, Rat, Porcine, Bovine, Chicken, Equine
Marker	pan-Neuronal Marker
Immunogen	Recombinant full length human UCHL1 purified from E. coli. [UniProt# P09936]

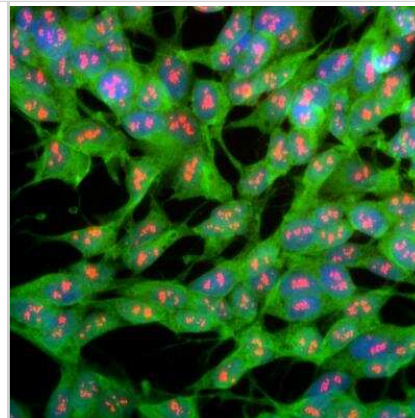
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:5000, Simple Western 1:2000, Immunohistochemistry 1:500, Immunocytochemistry/ Immunofluorescence 1:500, Immunohistochemistry-Paraffin
Application Notes	This UCHL1 antibody is useful for Immunocytochemistry/Immunofluorescence, ABC or other enzyme linked immunocytochemical procedures and Western blotting. Use in IHC-P reported in scientific literature (PMID: 22527779). In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.

**Images**

Western Blot: UCH-L1/PGP9.5 Antibody [NB110-58874] - Analysis of different tissue and cell lysates using rabbit pAb to UCHL1, NB110-58874, dilution 1:2,000 in red, and mouse mAb to HSP60, dilution 1:10,000, in green: [1] protein standard, [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HEK293, [6] HeLa, [7] SH-SY5Y cells. The single band at 24kDa corresponds to the UCHL1 protein, while the 60kDa band represents HSP60 protein. UCHL1 is detectable in CNS extracts and cells with neuronal properties but not in HeLa, NIH-3T3 and other non-neuronal cells.



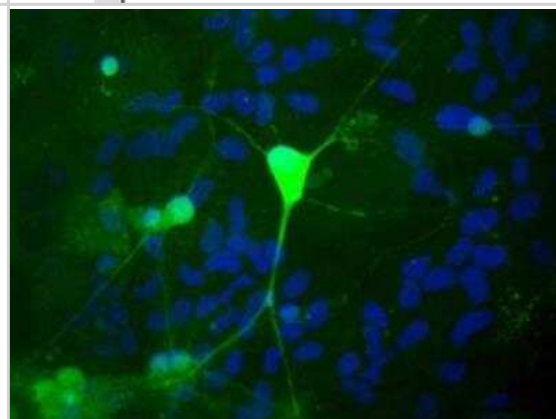
Immunocytochemistry/Immunofluorescence: UCHL1/PGP9.5 Antibody [NB110-58874] - Analysis of SH-SY5Y cells stained with rabbit pAb to UCHL1, NB110-58874, dilution 1:1,000 in green, and costained with mouse mAb to fibrillarilin, dilution 1:1,000 in red. Blue is DAPI staining of nuclear DNA. The UCHL1 antibody produces strong staining of the cellular cytoplasm of these cells which share many properties with neurons, while the fibrillarilin antibody specifically labels nucleoli.



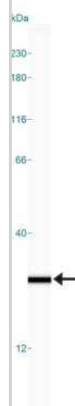
Western Blot: PGP9.5 / UCHL-1 Antibody [NB110-58874] - Blot of whole bovine brain extract stained with RPCA-UCHL1 showing a strong and clean band at about 24kDa.



Immunocytochemistry/Immunofluorescence: PGP9.5 / UCHL-1 Antibody [NB110-58874] - Shows rat mixed neuron/glia cultures stained with Rabbit anti-UCHL1 antibody (green). Blue is a DNA stain. Note that the UCHL1 stains neurons strongly and specifically, and that the staining is concentrated in the cell bodies, though some does extend into the dendrites also.



Simple Western: PGP9.5 / UCHL-1 Antibody [NB110-58874] - Simple Western lane view shows a specific band for PGP9.5/UCHL-1 in 0.05 mg/ml of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



## Publications

Vincent K, Mohanty S, Pinelli R et al. Aging of mouse intervertebral disc and association with back pain Bone 2019-03-29 [PMID: 30936040] (ICC/IF, Mouse)

Marmotti A, Cravino M, Germano M et al. Peroneal tendoscopy. Curr Rev Musculoskelet Med. 2012-06-01 [PMID: 22527779] (IHC-P, Human)



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### **Products Related to NB110-58874**

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NBL1-17575	UCH-L1/PGP9.5 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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