

Product Datasheet

Peripherin Antibody - BSA Free NBP1-05423

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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Updated 2/26/2026 v.20.1

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NBP1-05423

Peripherin Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgY
Purity	IgY purified
Buffer	Supplied as a concentrated total IgY preparation from egg yolk, dialyzed against PBS with added preservative.
Target Molecular Weight	57 kDa

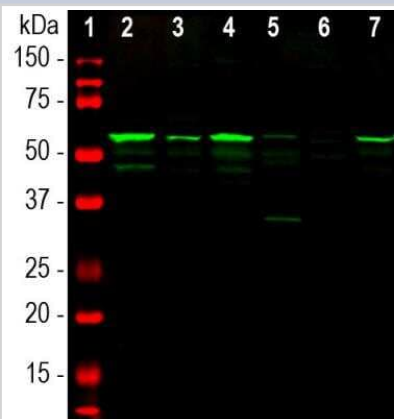
Product Description	
Description	<p>This antibody is supplied as a concentrated total IgY preparation derived from egg yolk. Production involves an initial organic extraction to remove lipids and lipoproteins, followed by salt fractionation of the aqueous phase to precipitate and enrich the IgY fraction. The material is then extensively dialyzed against PBS, and preservative is added during final formulation.</p> <p>Please note that the exact concentration of target-specific IgY cannot be determined, as the final preparation contains both antigen-specific IgY and non-immune IgY.</p>
Host	Chicken
Gene ID	5630
Gene Symbol	PRPH
Species	Human, Mouse, Rat, Porcine, Bovine
Marker	Un-myelinated Neurons Marker
Immunogen	Recombinant rat peripherin expressed in and purified from E. coli
Notes	Chicken products cannot be exported to Canada.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:20000, Immunohistochemistry 1:20000, Immunocytochemistry/ Immunofluorescence 1:2000-1:5000, Immunohistochemistry-Frozen
Application Notes	This Peripherin antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where a band can be seen at ~57 kDa. IHC-Fr reported in verified customer review.

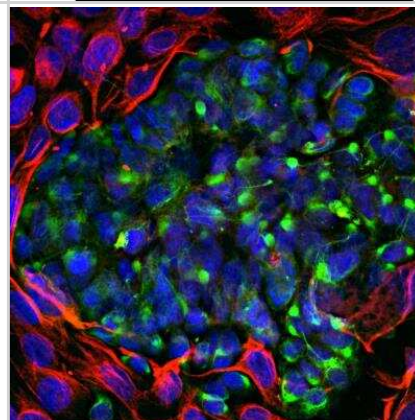


Images

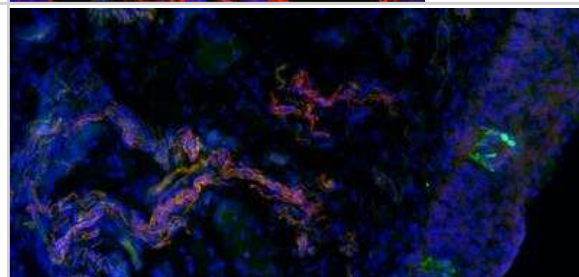
Western Blot: Peripherin Antibody [NBP1-05423] - Analysis of spinal cord tissue lysates (lanes 2-5) and cell lysates (lanes 6 and 7) using chicken pAb to peripherin, NBP1-05423, dilution 1:10,000 in green: [1] protein standard (red), [2] rat, [3] mouse, [4] pig, [5] cow spinal cord; [6] SH-SY5Y, and [7] PC12 cells. The band at 57kDa corresponds to peripherin protein.



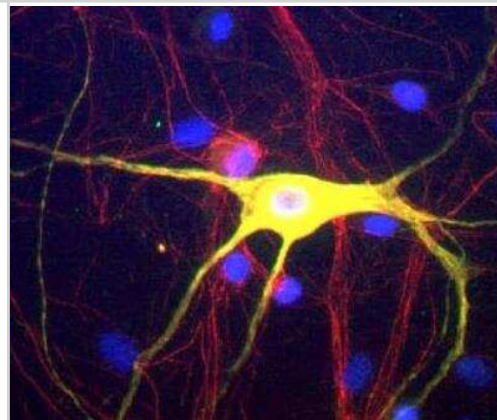
Immunocytochemistry/Immunofluorescence: Peripherin Antibody [NBP1-05423] - Analysis of mixed fibroblast and PC12 pheochromocytoma cell culture stained with chicken pAb to peripherin, NBP1-05423, dilution 1:5,000 in green, and costained with rabbit pAb to vimentin, RPCA-Vim, dilution 1:2,000, in red. The blue is DAPI staining of nuclear DNA. NBP1-05423 antibody reveals cytoplasmic filamentous staining in the small PC12 cells, while vimentin antibody stains intermediate filaments in the surrounding fibroblastic cells which do not express peripherin.



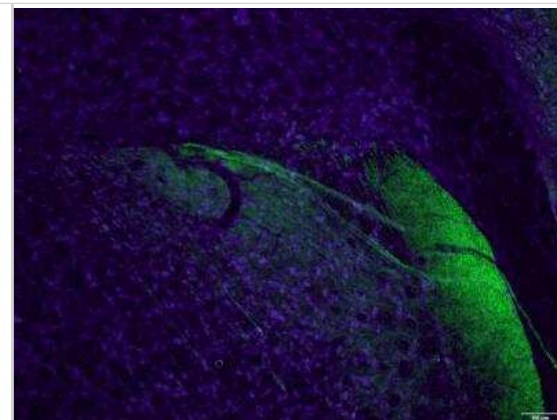
Immunohistochemistry-Frozen: Peripherin Antibody [NBP1-05423] - Peripherin staining (red) in nerve bundles in the human larynx. Image from verified customer review.



Immunocytochemistry/Immunofluorescence: Peripherin Antibody [NBP1-05423] - shows rat mixed neuron/glia cultures stained with NBP1-05423, our chicken polyclonal antibody to peripherin (green channel) and rabbit antibody to the neurofilament subunit alpha-internexin NBP1-05207 (green channel). These cultures contain mostly neurons which are rich in alpha-internexin, and a subgroup which have a large amount of peripherin also, such as the prominent cell in the middle of the micrograph. Since this cell expresses large amounts of peripherin and alpha-internexin, the green and red signals superimpose to produce a golden cell. Blue is a DNA stain.



Immunohistochemistry-Frozen: Peripherin Antibody [NBP1-05423] - Peripherin staining (green) in the mouse brainstem including the spinal trigeminal tract (right side of image) and arching fiber bundle to the solitary nuclear tract (center). Nissl Counterstain. Image from verified customer review.



Publications

Mazzotta E, Grants I, Villalobos-Hernandez E et al. BQ788 reveals glial ETB receptor modulation of neuronal cholinergic and nitroergic pathways to inhibit intestinal motility: Linked to postoperative ileus British journal of pharmacology 2023-05-17 [PMID: 37198101]

Nikesh Kunder, June Bryan de la Peña, Tzu-Fang Lou, Rebecca Chase, Parthana Suresh, Jennifer Lawson, Tarjani Shukla, Bryan Black, Zachary T Campbell The RNA-Binding Protein HuR Is Integral to the Function of Nociceptors in Mice and Humans. The Journal of neuroscience : the official journal of the Society for Neuroscience 2023-02-14 [PMID: 36270801]

Smith PR, Meyer A, Loerch S, Campbell ZT Protocol for the isolation and culture of mouse dorsal root ganglion neurons for imaging applications STAR protocols 2023-11-14 [PMID: 37967016]

de la Pena JB, Kunder N, Lou TF, Chase R RNA CONTROL IN SENSORY NEURONS: A FUNCTIONAL GENOMICS APPROACH Thesis 2023-01-01 (ICC/IF, IHC-Fr, Mouse)

de la Peña JB, Chase R, Kunder N et al. Inhibition of nonsense-mediated decay induces nociceptive sensitization through activation of the integrated stress response The Journal of neuroscience : the official journal of the Society for Neuroscience 2023-03-09 [PMID: 36894318]

Lillyman D Development of a Decellularized Hydrogel Composite and its Application in a Novel Model of Disc-associated Low Back Pain in Female Sprague Dawley Rats Thesis 2022-01-01 (IHC-Fr, Rat)

Details:

Dilution used for IHC 1:1000

Lillyman D, Lee F, Barnett E et al. Axial hypersensitivity is associated with aberrant nerve sprouting in a novel model of disc degeneration in female Sprague Dawley rats JOR SPINE 2022-07-14 [PMID: 36203864] (IHC-Fr, Rat)

Details:

Sprague Dawley rats L5-L6 motion segments, antibody used at 1:1000

de la Peña JB, Barragan-Iglesias P, Lou TF Et al. Intercellular Arc Signaling Regulates Vasodilation The Journal of neuroscience : the official journal of the Society for Neuroscience 2021-07-29 [PMID: 34326146]

Bryan de la Peña J, Kunder N, Lou TF Et al. A Role for Translational Regulation by S6 Kinase and a Downstream Target in Inflammatory Pain British journal of pharmacology 2021-08-06 [PMID: 34355805]



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Products Related to NBP1-05423

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
H00005630-P01-10ug	Recombinant Human Peripherin GST (N-Term) 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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