

Product Datasheet

PTPRD Antibody - BSA Free

NBP2-94767-0.1ml

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-94767-0.1ml

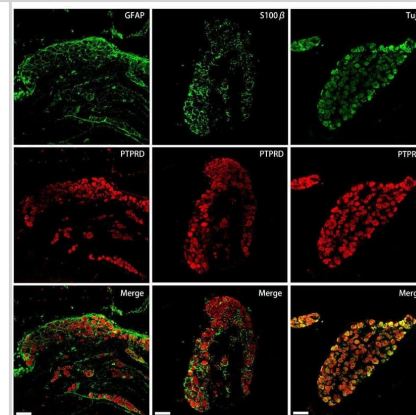
PTPRD Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol
Target Molecular Weight	215 kDa
Product Description	
Description	Novus Biologicals Rabbit PTPRD Antibody - BSA Free (NBP2-94767) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-PTPRD Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5789
Gene Symbol	PTPRD
Species	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 475-574 of human PTPRD (NP_002830.1). QITTIGNLVPQKTYSVKVLAFSIGDGPLSSDIQVITQTGVPGQPLNFKAEPES ET SILLSWTPPRSDTIANYELVYKDGEHGEEQRITIEPGTSYRLQG
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA Recommended starting concentration is 1 µg/mL, Immunohistochemistry 1:100-1:200, Immunohistochemistry-Paraffin

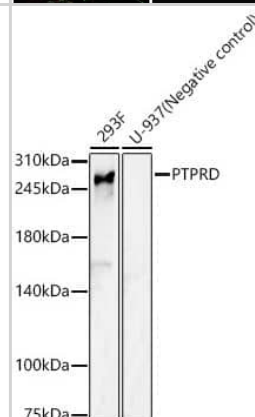


Images

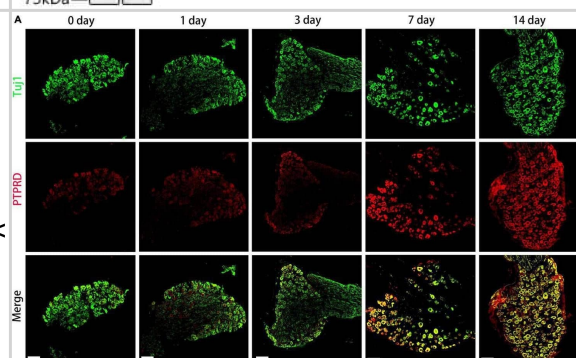
Immunohistochemistry: PTPRD Antibody [NBP2-94767] - Chronic constriction injury induces neuropathic pain and PTPRD is expressed in DRG neurons. Representative images of PTPRD co-staining with GFAP, S100 beta, or Tuj1 in DRG sections 7 days after CCI. Scale bars, 100 μ m. Image collected and cropped by CiteAb from the following publication ([//pubmed.ncbi.nlm.nih.gov/35493326/](https://pubmed.ncbi.nlm.nih.gov/35493326/)) licensed under a CC-BY license.



Western Blot: PTPRD Antibody [NBP2-94767] - Analysis of various lysates, using PTPRD Rabbit pAb at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



Immunohistochemistry: PTPRD Antibody - BSA Free [NBP2-94767] - Protein tyrosine phosphatase receptor type D expression levels are increased in the DRG after CCI. (A) Representative images of DRG sections stained for PTPRD (red) & Tuj1 (green) in the indicated groups. Scale bars, 100 μ m. (B) Western blot of PTPRD levels in ipsilateral DRGs (L4–L5) at 0, 1, 3, 7, & 14 days after CCI. Each experiment was repeated three times. (C) Quantitative analysis of data in (B). N = 3, **p < 0.01, *p < 0.001. (D) Western blot of PTPRD levels in contralateral DRGs (L4–L5) at 0, 1, 3, 7, & 14 days after CCI. Each experiment was repeated three times. (E) Quantitative analysis of data in (D). N = 3, p > 0.05. Statistical comparisons were performed by unpaired Student's t-test (C,E). Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/35493326/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.**



Publications

Sun C, Wu G, Zhang Z et al. Protein Tyrosine Phosphatase Receptor Type D Regulates Neuropathic Pain After Nerve Injury via the STING-IFN-I Pathway *Frontiers in Molecular Neuroscience* Apr 14 2022 12:00AM [PMID: 35493326] (IHC, WB, Mouse)



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Products Related to NBP2-94767-0.1ml

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-49153PEP	PTPRD Recombinant Protein Antigen

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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