

# Product Datasheet

## PTPRD Antibody - BSA Free **NBP2-94767-0.1ml**

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 1

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Updated 9/9/2025 v.20.1

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**NBP2-94767-0.1ml**

PTPRD Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.3), 50% glycerol
<b>Target Molecular Weight</b>	215 kDa

**Product Description**

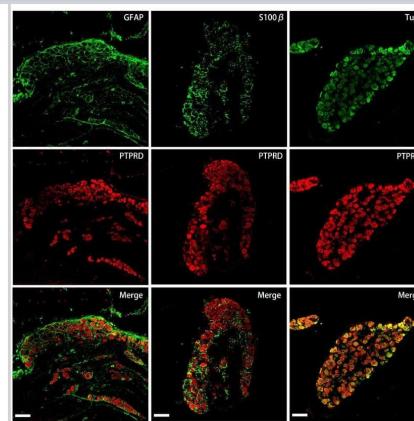
<b>Description</b>	Novus Biologicals Rabbit PTPRD Antibody - BSA Free (NBP2-94767) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-PTPRD Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5789
<b>Gene Symbol</b>	PTPRD
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 475-574 of human PTPRD (NP_002830.1). QITTIGNLVPQKTYSVKVLAFSIGDGPLSSDIQVITQTGVPQPLNFKAEPESET SILLSWTPPRSDTIANYELVYKDGEHGEEQRITIEPGTSYRLQG

**Product Application Details**

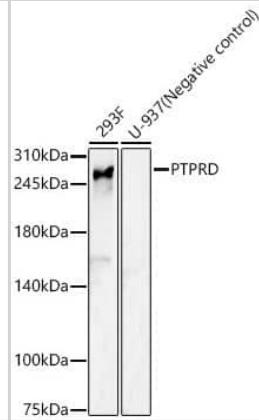
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, ELISA Recommended starting concentration is 1 µg/mL, Immunohistochemistry 1:100-1:200, Immunohistochemistry-Paraffin

## Images

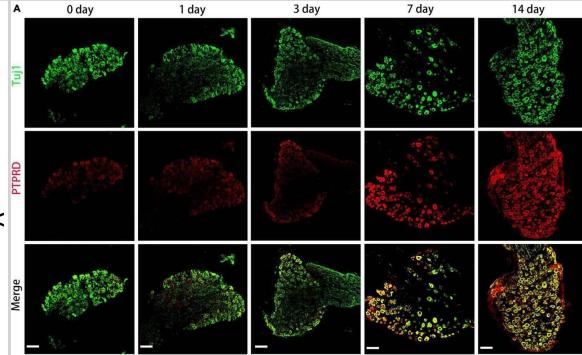
Immunohistochemistry: PTPRD Antibody [NBP2-94767] - Chronic constriction injury induces neuropathic pain and PTPRD is expressed in DRG neurons. Representative images of PTPRD co-staining with GFAP, S100 beta, or Tuj1 in DRG sections 7 days after CCI. Scale bars, 100  $\mu$ m. Image collected and cropped 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  $\mu$ 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)



## Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

## Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

## Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

## General Contact Information

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

## 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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