

# Product Datasheet

## PTPIP51 Antibody - BSA Free NBP1-84738

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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



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

### Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-84738](http://www.novusbio.com/NBP1-84738)

Updated 12/2/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP1-84738](http://www.novusbio.com/reviews/destination/NBP1-84738)



**NBP1-84738**

PTPIP51 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See 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	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

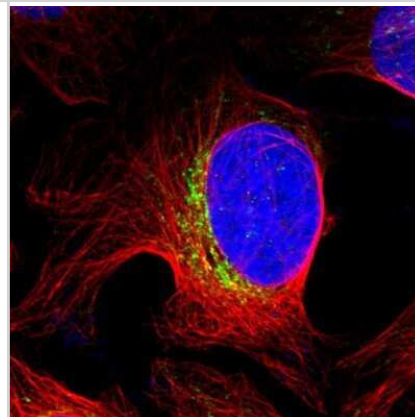
Product Description	
Description	Novus Biologicals Rabbit PTPIP51 Antibody - BSA Free (NBP1-84738) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PTPIP51 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	55177
Gene Symbol	RMDN3
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (80%), Rat (84%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DEVSCETVKMGRKDSLDEEEAASGASSALEAGGSSGLEDVLP LLQQADELH RGDEQ GKREGFQLLLNNKLVYGSRQDFLWRLARAYS DMCELTEEVSEKKS YALDGKEEA EAAL EKGDESADCHLWYAVLCG

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

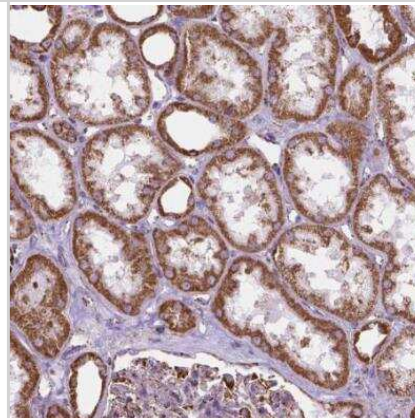


**Images**

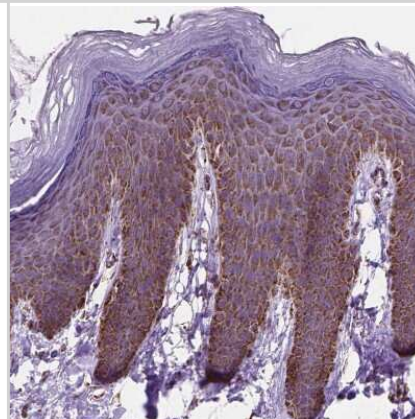
Immunocytochemistry/Immunofluorescence: PTPIP51 Antibody [NBP1-84738] - Staining of human cell line U-2 OS shows positivity in mitochondria. Antibody staining is shown in green.



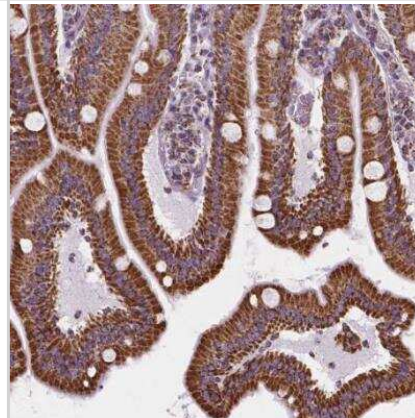
Immunohistochemistry-Paraffin: PTPIP51 Antibody [NBP1-84738] - Staining of human kidney shows strong cytoplasmic granular positivity in cells in tubules.



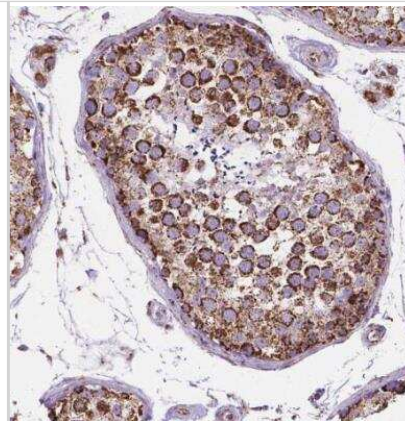
Immunohistochemistry-Paraffin: PTPIP51 Antibody [NBP1-84738] - Staining of human skin shows moderate to strong cytoplasmic positivity in keratinocytes.



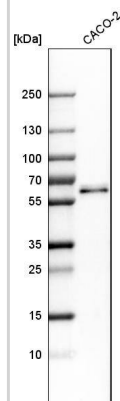
Immunohistochemistry-Paraffin: PTPIP51 Antibody [NBP1-84738] - Staining of human small intestine shows strong cytoplasmic granular positivity in glandular cells.



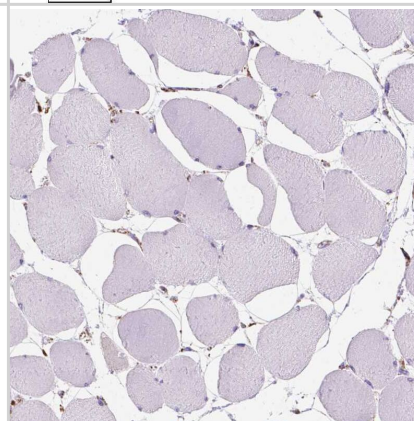
Immunohistochemistry-Paraffin: PTPIP51 Antibody [NBP1-84738] - Staining of human testis shows strong cytoplasmic granular positivity in cells in seminiferous ducts.



Analysis in human cell line CACO-2.



Staining of human skeletal muscle shows very weak cytoplasmic granular positivity in myocytes.



## Publications

Molino, D, Pila-Castellanos, I Et al. Chemical targeting of NEET proteins reveals their function in mitochondrial morphodynamics. EMBO Rep 2020-12-03 [PMID: 33180995] (ICC/IF, IHC-Fr, Rat)

Pila-Castellanos I, Molino D, McKellar J et al. Mitochondrial morphodynamics alteration induced by influenza virus infection as a new antiviral strategy PLoS pathogens 2021-02-01 [PMID: 33596274] (ICC/IF, Human)

De Vos KJ, Morotz GM, Stoica R et al. VAPB interacts with the mitochondrial protein PTPIP51 to regulate calcium homeostasis. Hum Mol Genet 2012-03-01 [PMID: 22131369]



### **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  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-84738**

---

NBP1-84738PEP	PTPIP51 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP1-84738](http://www.novusbio.com/reviews/submit/NBP1-84738)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

