

# 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.

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#### Publications: 3

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Updated 9/9/2025 v.20.1

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**NBP1-84738**

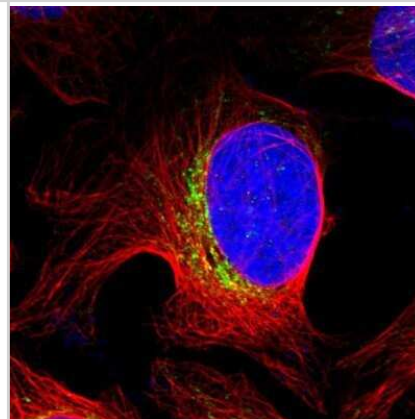
PTPIP51 Antibody - BSA Free

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	Immunogen 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 RGDEQKGKREGFQLLLNNKLVYGSQRQDFLWRLARAYSMDCELTEEVSEKKSYA LDGKEEAEEALEKGDESADCHLWYAVLCG
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.

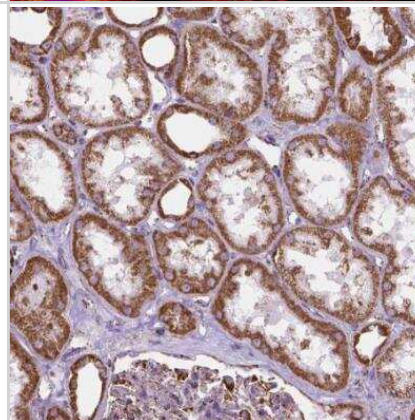


## Images

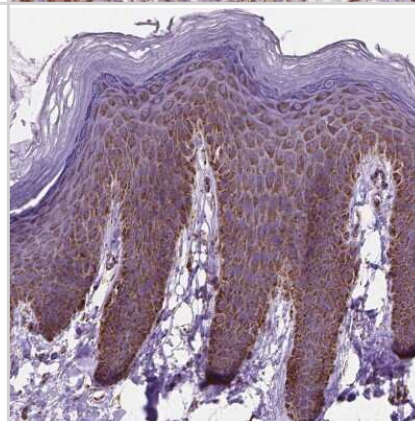
Immunocytochemistry/Immunofluorescence: PTPIP51 Antibody [NBP1-84738] - Staining of human cell line U-2 OS shows positivity in mitochondria. Antibody staining is shown in green.



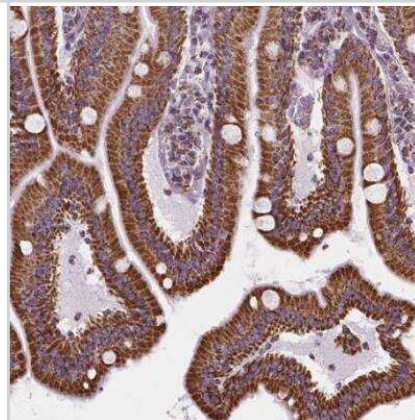
Immunohistochemistry-Paraffin: PTPIP51 Antibody [NBP1-84738] - Staining of human kidney shows strong cytoplasmic granular positivity in cells in tubules.



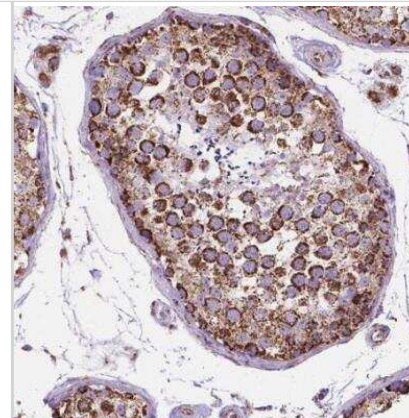
Immunohistochemistry-Paraffin: PTPIP51 Antibody [NBP1-84738] - Staining of human skin shows moderate to strong cytoplasmic positivity in keratinocytes.



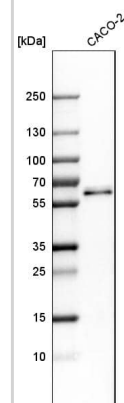
Immunohistochemistry-Paraffin: PTPIP51 Antibody [NBP1-84738] - Staining of human small intestine shows strong cytoplasmic granular positivity in glandular cells.



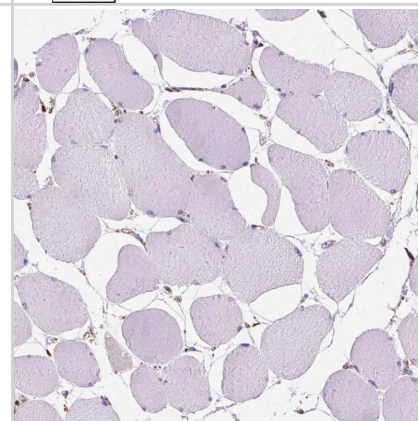
Immunohistochemistry-Paraffin: PTPIP51 Antibody [NBP1-84738] - Staining of human testis shows strong cytoplasmic granular positivity in cells in seminiferous ducts.



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]



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

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NBP1-84738PEP	PTPIP51 Recombinant Protein Antigen
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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