

Product Datasheet

PTCD2 Antibody NBP2-26176

Unit Size: 0.1 mg

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

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NBP2-26176

PTCD2 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat PTCD2 Antibody (NBP2-26176) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-PTCD2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	79810
Gene Symbol	PTCD2
Species	Human
Immunogen	Peptide with sequence NSPESFKICTTLR corresponding to internal region according to NP_079030.3.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.5 - 2 ug/ml, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml, Peptide ELISA Detection limit 1:128000
Application Notes	WB: Approx. 50 kDa band observed in all human tissues and cell line lysates tested (calculated MW of 44.0 kDa band according to NP_079030.3). The observed molecular weight corresponds to earlier findings with different antibodies from other sources.

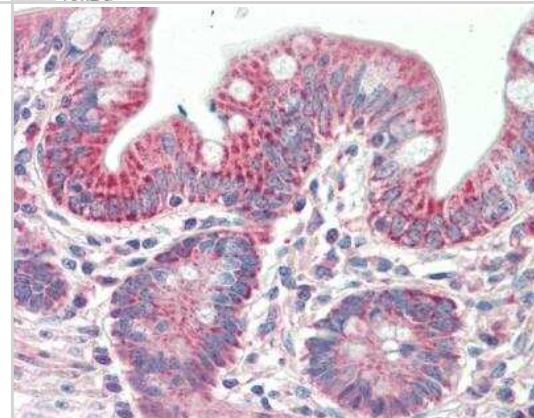


Images

Western Blot: PTC2 Antibody [NBP2-26176] - Staining of Human Liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

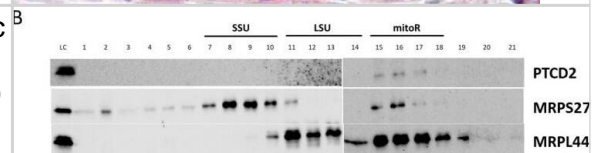
Immunohistochemistry-Paraffin: PTC2 Antibody [NBP2-26176] - (5ug/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



PTCD2 interacts with associated mitochondrial ribosomes. (A) Proteomic data analysis. The diagram represents the protein species identified in the samples of colP and negative control. Label free quantification (LFQ) intensities for all proteins were calculated with Max Quant software.

LFQs of the proteins in colP samples are placed along the vertical axis; LFQs of the same proteins in negative control samples are placed along the horizontal axis. Blue dots show each individual protein. Yellow dots indicate mitochondrial ribosomal proteins. Red line shows the position of the points where proteins are equally represented in colP and negative control. Green line is a threshold line showing the positions of the points where proteins are 1.8 times enriched in colP relative to control. (B)

Western blot analysis of fractionated mitochondrial ribosomes. Clarified HeLa cell lysate was applied to 10–30% linear sucrose gradient and ultracentrifuged. The gradient was fractionated from top to bottom in 21 fractions and proteins from each fraction were precipitated and applied to Western blot with the indicated antibodies. LC—loading control (0.1% from total lysate volume), SSU—mitoribosome small subunit, LSU—mitoribosome large subunit, mitoR—associated mitoribosome. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36430722>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Hendrickson SL, Lautenberger JA, Chinn LW et al. Genetic variants in nuclear-encoded mitochondrial genes influence AIDS progression. PLoS One 2010-09-21 [PMID: 20877624]



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Products Related to NBP2-26176

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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.

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