

Product Datasheet

PPTC7 Antibody - BSA Free

NBP1-90654

Unit Size: 0.1 ml

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

www.novusbio.com



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Publications: 5

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NBP1-90654

PPTC7 Antibody - BSA Free

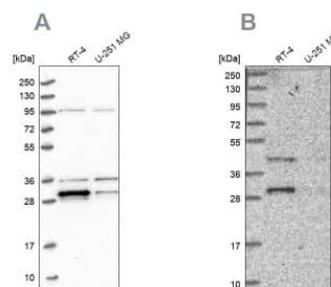
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit PPTC7 Antibody - BSA Free (NBP1-90654) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PPTC7 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	160760
Gene Symbol	PPTC7
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ILTTSYCELLQNKVPLLGSSTACIVVLDRTSHRLHTANLGDSGFLVVRGGEVVH RSDEQQHYFNTPFQLSIAPPEAEGVVLSDSPDAADSTSFVDVQL

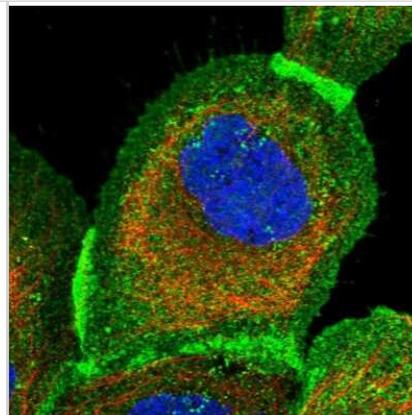
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

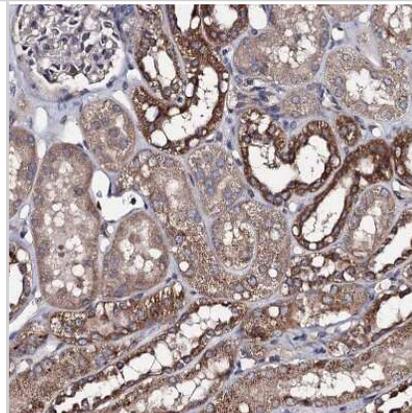
Western Blot: PPTC7 Antibody [NBP1-90654] - Analysis using Anti-PPTC7 antibody NBP1-90654 (A) shows similar pattern to independent antibody NBP1-90653 (B).



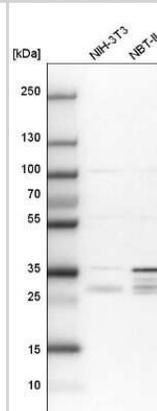
Immunocytochemistry/Immunofluorescence: PPTC7 Antibody [NBP1-90654] - Immunofluorescent staining of human cell line A-431 shows localization to plasma membrane & cytosol.



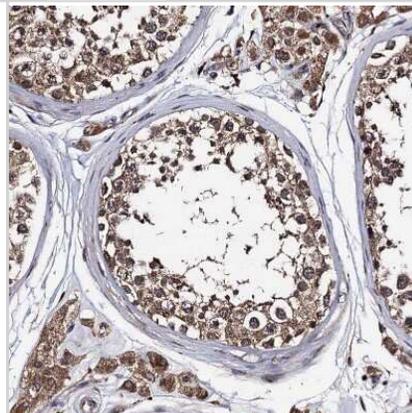
Immunohistochemistry-Paraffin: PPTC7 Antibody [NBP1-90654] - Staining of human kidney shows strong granular cytoplasmic positivity in cells in tubules.



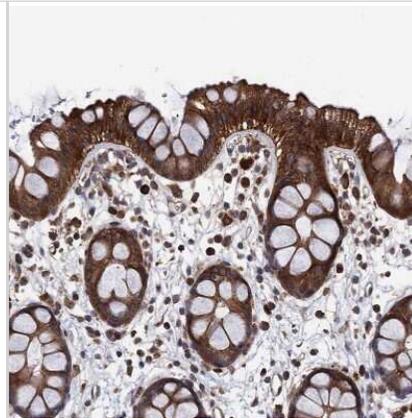
Western Blot: PPTC7 Antibody [NBP1-90654] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



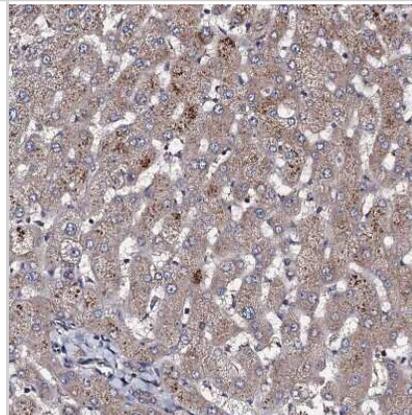
Immunohistochemistry-Paraffin: PPTC7 Antibody [NBP1-90654] - Staining of human testis shows strong granular cytoplasmic positivity in Leydig cells and cells in seminiferous ducts.



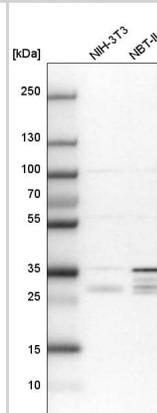
Immunohistochemistry-Paraffin: PPTC7 Antibody [NBP1-90654] - Staining of human rectum shows strong granular cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: PPTC7 Antibody [NBP1-90654] - Staining of human liver shows moderate granular cytoplasmic positivity in hepatocytes.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Publications

Wei L, Gok MO, Svoboda JD et Al. Dual-localized PPTC7 limits mitophagy through proximal and dynamic interactions with BNIP3 and NIX Life Sci Alliance 2024-07-11 [PMID: 38991726]

Natalie M. Niemi, Lia R. Serrano, Laura K. Muehlbauer, Catherine E. Balnis, Lianjie Wei, Andrew J. Smith, Keri-Lyn Kozul, Merima Forny, Olivia M. Connor, Edrees H. Rashan, Evgenia Shishkova, Kathryn L. Schueler, Mark P. Keller, Alan D. Attie, Jonathan R. Friedman, Julia K. Pagan, Joshua J. Coon, David J. Pagliarini PPTC7 maintains mitochondrial protein content by suppressing receptor-mediated mitophagy Nature Communications 2023-10-13 [PMID: 37833277]

Niemi NM, Serrano LR, Muehlbauer LK et al. Pptc7 maintains mitochondrial protein content by suppressing receptor-mediated mitophagy bioRxiv : the preprint server for biology 2023-03-01 [PMID: 36909604] (KO, WB, Mouse)

Meyer J, Niemi NM, Pagliarini DJ, Coon JJ Peptide Identification and Quantification by Gas Phase Fractionation Enables Proteomics Without Liquid Chromatography J Chromatogr B Analyt Technol Biomed Life Sci 2020-12-06 [PMID: 33279813]

Meyer JG, Niemi NM, Pagliarini DJ, Coon JJ Quantitative shotgun proteome analysis by direct infusion J Neuroinflammation 2020-11-22 [PMID: 33230323] (WB, IHC-P, Mouse)



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Products Related to NBP1-90654

NBP1-90654PEP	PPTC7 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.

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