

Product Datasheet

CLPP Antibody - BSA Free NBP1-89557

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: 4

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Updated 12/2/2025 v.20.1

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NBP1-89557

CLPP 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

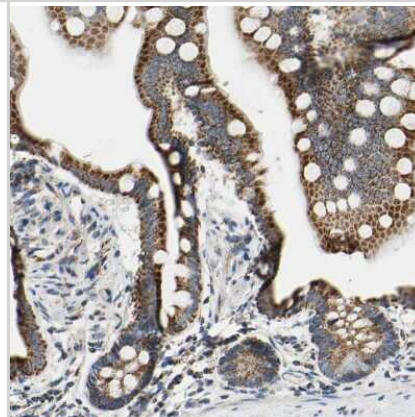
Product Description	
Description	Novus Biologicals Rabbit CLPP Antibody - BSA Free (NBP1-89557) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CLPP Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8192
Gene Symbol	CLPP
Species	Human, Mouse, Rat
Reactivity Notes	Reactivity reported in scientific literature (PMID: 22361696)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MGSLLLAAGTPGMRHSLPNSRIMIHQPSGGARGQATDIAIQAEEMKLLKKQLYNI YAKHTKQSLQVIESAMERDRYMSPMEAQEFGILDKVLVHPPQDGEDEPTLVQK EPVEAAPAAEPVPA

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Knockdown Validated
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, Immunohistochemistry-Frozen, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. Use in IHC-Frozen was reported in scientific literature (PMID: 30877431).

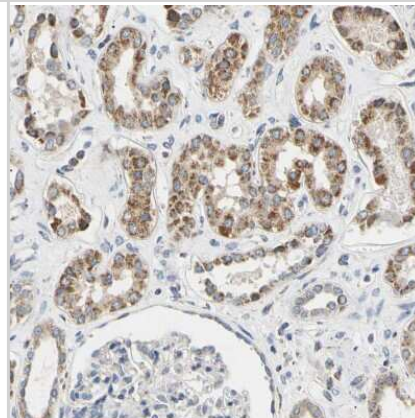


Images

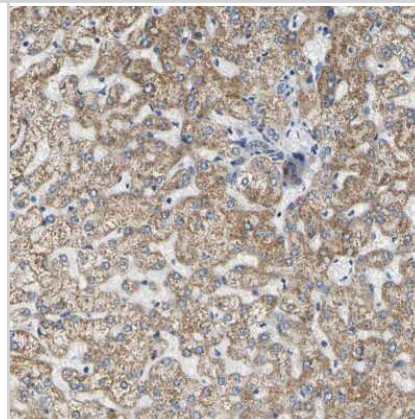
Immunohistochemistry-Paraffin: CLPP Antibody [NBP1-89557] - Staining of human small intestine shows strong granular cytoplasmic positivity in glandular cells.



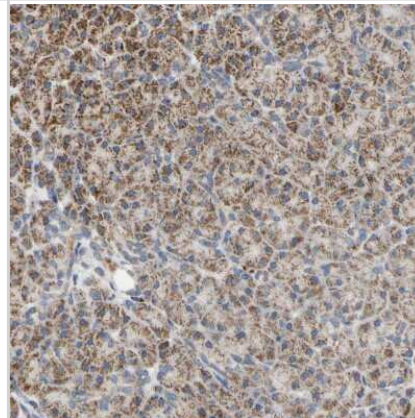
Immunohistochemistry-Paraffin: CLPP Antibody [NBP1-89557] - Staining of human kidney shows moderate granular cytoplasmic positivity in cells in tubules.



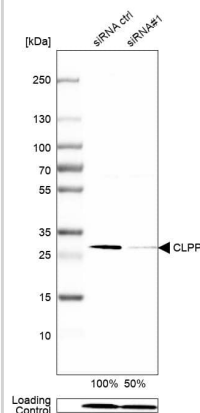
Immunohistochemistry-Paraffin: CLPP Antibody [NBP1-89557] - Staining of human liver shows moderate granular cytoplasmic positivity in hepatocytes.



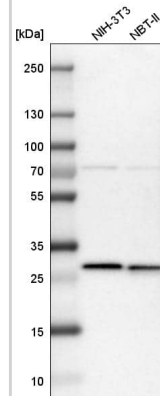
Immunohistochemistry-Paraffin: CLPP Antibody [NBP1-89557] - Staining of human pancreas shows moderate granular cytoplasmic positivity in exocrine glandular cells.



Analysis in HEK293 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-CLPP antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



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



Publications

Kee TR, Wehinger JL, Gonzalez PE et al. Pathological characterization of a novel mouse model expressing the PD-linked CHCHD2-T61I mutation Human molecular genetics 2022-07-04 [PMID: 35786718] (WB, Mouse)

Details:

Dilution: 1:1000

Hu D, Sun X, Liao X et al. Alpha-synuclein suppresses mitochondrial protease ClpP to trigger mitochondrial oxidative damage and neurotoxicity Acta Neuropathol. 2019-03-15 [PMID: 30877431] (IHC-Fr, Mouse)

Jenkinson EM, Rehman AU, Walsh T et al. Perrault Syndrome Is Caused by Recessive Mutations in CLPP, Encoding a Mitochondrial ATP-Dependent Chambered Protease. Am J Hum Genet 2013-04-04 [PMID: 23541340]

Stadler C, Hjelmare M, Neumann B et al. Systematic validation of antibody binding and protein subcellular localization using siRNA and confocal microscopy. J Proteomics 2012-04-03 [PMID: 22361696]



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Products Related to NBP1-89557

NBP1-89557PEP	CLPP 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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