

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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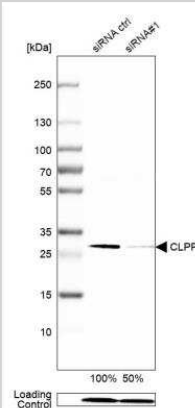
NBP1-89557

CLPP Antibody - BSA Free

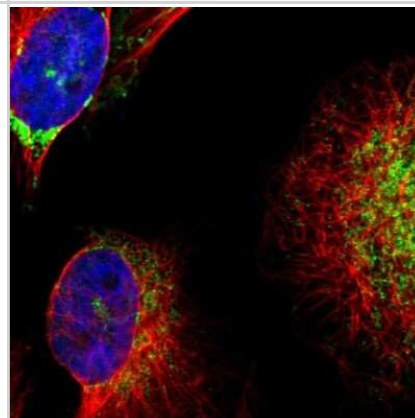
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
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 YAKHTKQSLQVIESAMERDRYMSPMEAEQFGILDKVLVHPPQDGEDEPTLVQK EPVEAAPAAEPVPA
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, 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

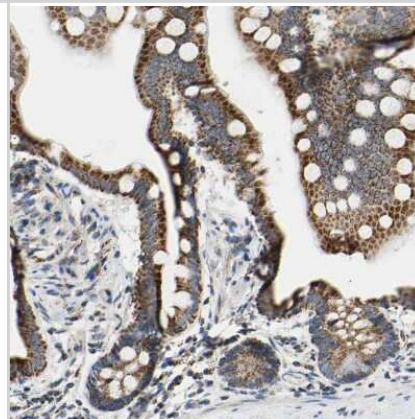
Western Blot: CLPP Antibody [NBP1-89557] - Analysis in HEK293 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-CLPP antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



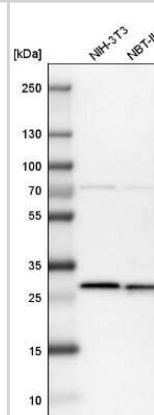
Immunocytochemistry/Immunofluorescence: CLPP Antibody [NBP1-89557] - Staining of human cell line U-251 MG shows localization to mitochondria. Antibody staining is shown in green.



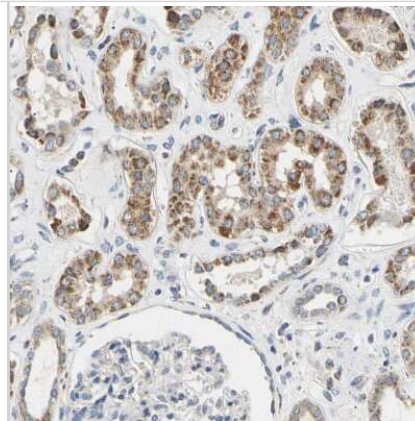
Immunohistochemistry-Paraffin: CLPP Antibody [NBP1-89557] - Staining of human small intestine shows strong granular cytoplasmic positivity in glandular cells.



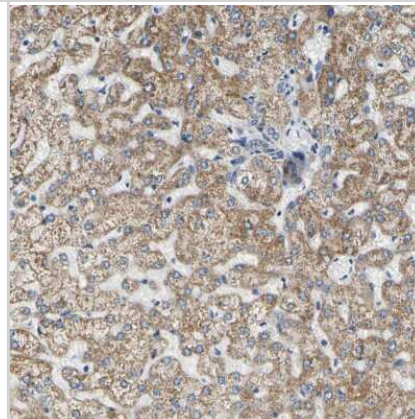
Western Blot: CLPP Antibody [NBP1-89557] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



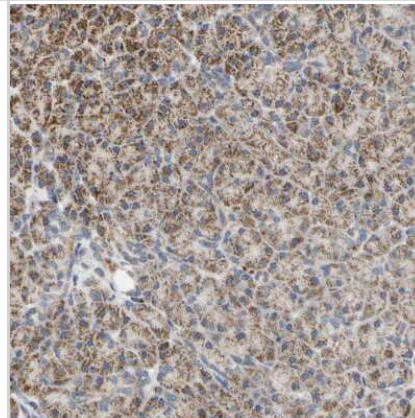
Immunohistochemistry-Paraffin: CLPP Antibody [NBP1-89557] - Staining of human kidney shows moderate granular cytoplasmic positivity in cells in tubules.



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.



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
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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