

Product Datasheet

Chorein Antibody - BSA Free

NBP1-85641

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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NBP1-85641

Chorein 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

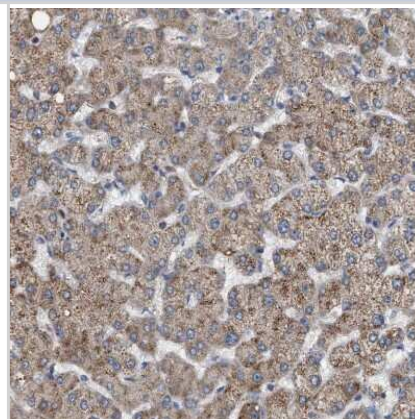
Product Description	
Host	Rabbit
Gene ID	23230
Gene Symbol	VPS13A
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in the scientific literature (PMID: 29928881).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: RPPRFFNEDGVIRPYRLRDGTGNQMLQVMENGRFAKYKYFTHVMINKTDLMI TRRGVLFVTKGTFGQLTCEWQYSFDEFTKEPFIVHGRRLRIEAKERVKSVF

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID: 30093493), Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	IHC-P-Retrieval method: HIER pH6

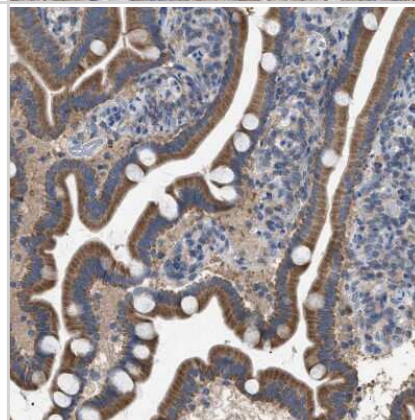


Images

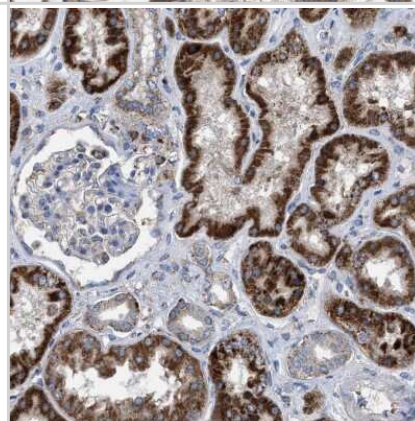
Immunohistochemistry-Paraffin: Chorein Antibody [NBP1-85641] - Staining of human liver shows moderate cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: Chorein Antibody [NBP1-85641] - Staining of human duodenum shows moderate cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Chorein Antibody [NBP1-85641] - Staining of human kidney shows strong cytoplasmic positivity in cells in tubules.



Publications

Nguyen TT, Voeltz GK. An ER phospholipid hydrolase drives ER-associated mitochondrial constriction for fission and fusion eLife 2022-11-30 [PMID: 36448541] (Immunoprecipitation, Western Blot, Human)

Amos C, Xu P, De Camilli P. et Al. Erythroid Differentiation Dependent Interaction of VPS13A with XK at the Plasma Membrane of K562 Cells Contact (Thousand Oaks) 2023-12-21 [PMID: 38144430]

GuillEn-Samander A, Wu Y, Pineda SS et al. A partnership between the lipid scramblase XK and the lipid transfer protein VPS13A at the plasma membrane Proceedings of the National Academy of Sciences of the United States of America 2022-08-30 [PMID: 35994651] (ICC/IF, Human)

Shahi I, Llaneras CN, Perelman SS et al. Genome-Wide CRISPR-Cas9 Screen Does Not Identify Host Factors Modulating Streptococcus agalactiae beta-Hemolysin/Cytolysin-Induced Cell Death Microbiology spectrum 2022-02-23 [PMID: 35196804] (WB, Human)

Ryoden Y, Segawa K, Nagata S Requirement of Xk and Vps13a for the P2X7-mediated phospholipid scrambling and cell lysis in mouse T cells Proceedings of the National Academy of Sciences of the United States of America 2022-02-15 [PMID: 35140185]

Sasaki N, Nakamura M, Kodama A et al. Chorein interacts with α -tubulin and histone deacetylase 6, and overexpression preserves cell viability during nutrient deprivation in human embryonic kidney 293 cells FASEB J. 2016-11-01 [PMID: 27468757] (WB, IP, Human)

Tada Y, Hamaguchi T, Ikeda Y et al. Chorea-acanthocytosis with a novel mutation in the vacuolar protein sorting 13 homolog a gene: A case report J. Neurol. Sci. 2020-02-20 [PMID: 32088470] (WB, Human)

Frischknecht L, Britschgi C, Galliker P et al. Novel pathogenic VPS13A gene mutations in Japanese patients with chorea-acanthocytosis Neurol Genet 2019-06-01 [PMID: 31192303] (WB, Human)

Kumar N, Leonzino M, Hancock-Cerutti W et al. VPS13A and VPS13C are lipid transport proteins differentially localized at ER contact sites J. Cell Biol. 2018-08-09 [PMID: 30093493] (ICC/IF, Human)

Nagata O, Nakamura M, Sakimoto H et al. Mouse model of chorea-acanthocytosis exhibits male infertility caused by impaired sperm motility as a result of ultrastructural morphological abnormalities in the mitochondrial sheath in the sperm midpiece Biochem. Biophys. Res. Commun. 2018-06-21 [PMID: 29928881] (Mouse)





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Products Related to NBP1-85641

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-85641PEP	Chorein Recombinant Protein Antigen

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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