

Rabbit anti-Human NPC1 Polyclonal Antibody | anti-NPC1 antibody

NPC1 Antibody

CATALOG # AAA307124	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
-------------------------------	-----------------------	----------------------------	--

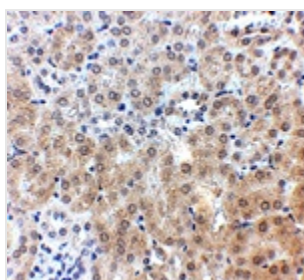
PRODUCT SYNONYMS

NPC1; Polyclonal Antibody; NPC1 Antibody; Niemann-Pick disease type C1; NPC; anti-NPC1 antibody

PRODUCT SPECIFICATIONS

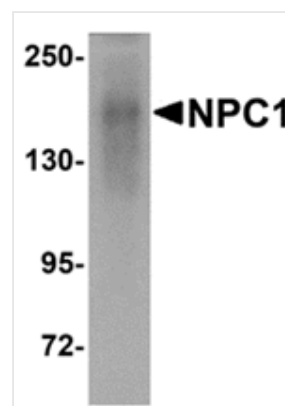
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	1278
Applicable Applications for anti-NPC1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the carboxy terminus of human NPC1.
Target Name	NPC1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of NPC1 in mouse kidney tissue with NPC1 antibody at 2.5 ug/mL.



WB (Western Blot)

Western blot analysis of NPC1 in human kidney tissue lysate with NPC1 antibody at 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-NPC1 antibody	Mutations in the Niemann-Pick disease type C1 (NPC1) gene result in a fatal progressive neurodegenerative disorder characterized by an abnormal sequestration of lipids including cholesterol and glycosphingolipids. The NPC1 protein is a large protein that resides in the limiting membrane of endosomes and lysosomes and mediates intracellular cholesterol trafficking via binding of cholesterol to its N-terminal domain. NPC1 transports low-density lipoproteins to late endosomal/lysosomal compartments where they are hydrolyzed and released as free cholesterol. NPC1, in addition to FTO, MC4R, and PTER has recently been shown to be a new risk loci for early-onset and morbid adult obesity in European populations. This anti-NPC1 antibody will not cross-react to NPC2, another gene whose defects also result in Niemann-Pick type C disease.
Product Categories/Family for anti-NPC1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	255652944
NCBI GeneID	4864
NCBI Accession #	NP_000262
NCBI GenBank Nucleotide #	NM_000271.4
Molecular Weight	107,025 Da
NCBI Official Full Name	Niemann-Pick C1 protein
NCBI Official Synonym Full Names	Niemann-Pick disease, type C1
NCBI Official Symbol	NPC1
NCBI Official Synonym Symbols	NPC
NCBI Protein Information	Niemann-Pick C1 protein
UniProt Protein Name	Niemann-Pick C1 protein
UniProt Gene Name	NPC1
UniProt Entry Name	NPC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/npc1-antibody-immunohistochemistry-western-blot-elisa/307124>