

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

NPC1 Antibody

CATALOG # AAA39335	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

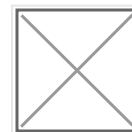
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	NPC1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1278
Applicable Applications for anti-NPC1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	NPC1 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human NPC1.
Buffer	NPC1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	NPC1 antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



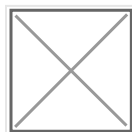
IF (Immunofluorescence)

Immunofluorescence of NPC1 in Mouse Kidney cells with NPC1 antibody at 20 &#956;g/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of NPC1 in mouse kidney tissue with NPC1 antibody at 2.5 &#956;g/mL.



WB (Western Blot)

Western blot analysis of NPC1 in HepG2 cell lysate with NPC1 antibody at 1 &#956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-NPC1 antibody	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 hydrolized 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	255652944
NCBI GeneID	4864
NCBI Accession #	NP_000262
NCBI GenBank Nucleotide #	NM_000271.4
UniProt Accession #	O15118; Q9P130; B4DET3
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.