

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

NPC1 Antibody

CATALOG # AAA234034	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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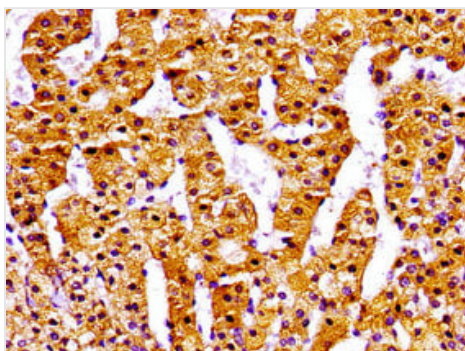
PRODUCT SYNONYMS

NPC1; Polyclonal Antibody; NPC1 Antibody; NPC intracellular cholesterol transporter 1 (Niemann-Pick C1 protein); anti-NPC1 antibody

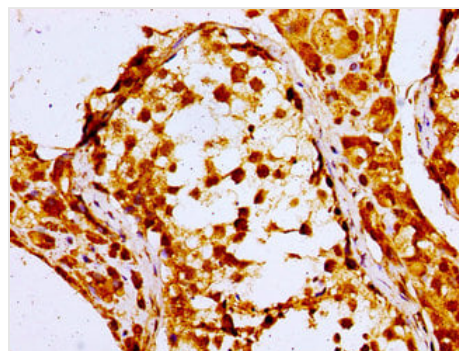
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid; Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Sequence Length	1278
Applicable Applications for anti-NPC1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human NPC intracellular cholesterol transporter 1 protein (23-269AA)
Conjugation	Non-conjugated
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

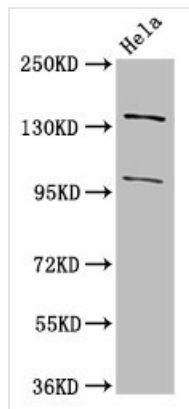
IMAGES


IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human adrenal gland tissue using AAA234034 at dilution of 1:100


IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA234034 at dilution of 1:100



WB (Western Blot)

Western Blot Positive WB detected in: HeLa whole cell lysate
 All lanes: NPC1 antibody at 3 µg/ml
 Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution
 Predicted band size: 143, 108 kDa
 Observed band size: 108 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-NPC1 antibody

Intracellular cholesterol transporter which acts in concert with NPC2 and plays an important role in the egress of cholesterol from the endosomal/lysosomal compartment. Both NPC1 and NPC2 function as the cellular 'tag team duo' (TTD) to catalyze the mobilization of cholesterol within the multivesicular environment of the late endosome (LE) to effect egress through the limiting bilayer of the LE. NPC2 binds unesterified cholesterol that has been released from LDLs in the lumen of the late endosomes/lysosomes and transfers it to the cholesterol-binding pocket of the N-terminal domain of NPC1. Cholesterol binds to NPC1 with the hydroxyl group buried in the binding pocket and is exported from the limiting membrane of late endosomes/lysosomes to the ER and plasma membrane by an unknown mechanism. Binds oxysterol with higher affinity than cholesterol. May play a role in vesicular trafficking in glia, a process that may be crucial for maintaining the structural and functional integrity of nerve terminals.

Product Categories/Family for anti-NPC1 antibody

Neuroscience; Cardiovascular; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	255652944
NCBI GeneID	4864
NCBI Accession #	NP_000262.2
NCBI GenBank Nucleotide #	NM_000271.4
UniProt Accession #	O15118; Q9P130; B4DET3
NCBI Official Full Name	Niemann-Pick C1 protein
NCBI Official Synonym Full Names	NPC intracellular cholesterol transporter 1
NCBI Official Symbol	NPC1
NCBI Official Synonym Symbols	NPC; SLC65A1
NCBI Protein Information	Niemann-Pick C1 protein
UniProt Protein Name	Niemann-Pick C1 protein
UniProt Gene Name	NPC1

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.