

Niemann Pick C2 Monoclonal Antibody | anti-C2 antibody

Niemann Pick C2 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314423	Recombinant Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

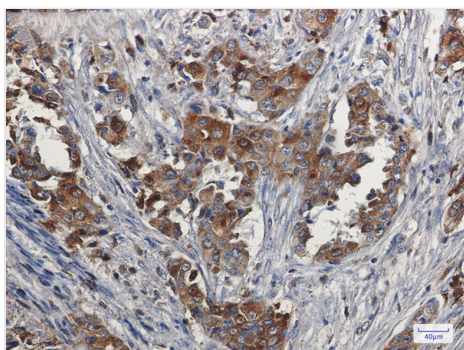
PRODUCT SYNONYMS

Niemann Pick C2; Monoclonal Antibody; Niemann Pick C2 Rabbit mAb; HE1; EDDM1; anti-C2 antibody

PRODUCT SPECIFICATIONS

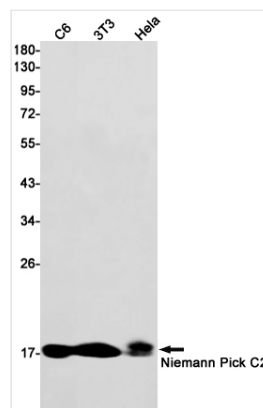
Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S09-8D3
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-C2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human Niemann Pick C2
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of Niemann Pick C2 in paraffin-embedded Human lung cancer tissue using Niemann Pick C2 Rabbit mAb at dilution 1/50



WB (Western Blot)

Western blot detection of Niemann Pick C2 in C6,3T3,HeLa cell lysates using Niemann Pick C2 Rabbit mAb(1:1000 diluted).Predicted band size:17kDa.Observed band size:17kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-C2 antibody	Intracellular cholesterol transporter which acts in concert with NPC1 and plays an important role in the egress of cholesterol from the lysosomal compartment (PubMed:17018531, PubMed:11125141, PubMed:18772377, PubMed:29580834, PubMed:15937921). Unesterified cholesterol that has been released from LDLs in the lumen of the late endosomes/lysosomes is transferred by NPC2 to the cholesterol-binding pocket in the N-terminal domain of NPC1 (PubMed:17018531, PubMed:18772377, PubMed:27238017). May bind and mobilize cholesterol that is associated with membranes (PubMed:18823126). NPC2 binds cholesterol with a 1:1 stoichiometry (PubMed:17018531). Can bind a variety of sterols, including lathosterol, desmosterol and the plant sterols stigmasterol and beta-sitosterol (PubMed:17018531). The secreted form of NCP2 regulates biliary cholesterol secretion via stimulation of ABCG5/ABCG8-mediated cholesterol transport.
Product Categories/Family for anti-C2 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453678
NCBI GeneID	10577
NCBI Accession #	NP_006423
NCBI GenBank Nucleotide #	NM_006432
UniProt Accession #	P61916; Q15668; Q29413; B4DQV7
Molecular Weight	13,416 Da
NCBI Official Full Name	epididymal secretory protein E1
NCBI Official Synonym Full Names	Niemann-Pick disease, type C2
NCBI Official Symbol	NPC2
NCBI Official Synonym Symbols	HE1; EDDM1
NCBI Protein Information	epididymal secretory protein E1; Niemann-Pick disease type C2 protein; epididymal protein 1; human epididymis-specific protein 1; tissue-specific secretory protein
UniProt Protein Name	Epididymal secretory protein E1
UniProt Gene Name	NPC2
UniProt Synonym Gene Names	HE1; He1
UniProt Entry Name	NPC2_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/niemann-pick-c2-antibody-clone-s09-8d3-immunohistochemistry-western-blot-elisa/314423>