Product Datasheet

Niemann Pick C2 Rabbit mAb

Catalog No: #52462

Package Size: #52462-1 50ul #52462-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

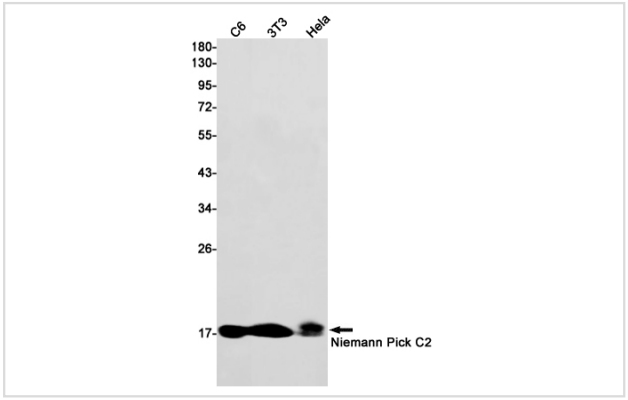
Description

Product Name	Niemann Pick C2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S09-8D3
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant protein of human Niemann Pick C2
Conjugates	Unconjugated
Modification	Unmodification
Other Names	HE1; EDDM1
Accession No.	Swiss-Prot:P61916GeneID:10577
Uniprot	P61916
GeneID	10577
Calculated MW	Calculated MW: 17 kDa; Observed MW: 17 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

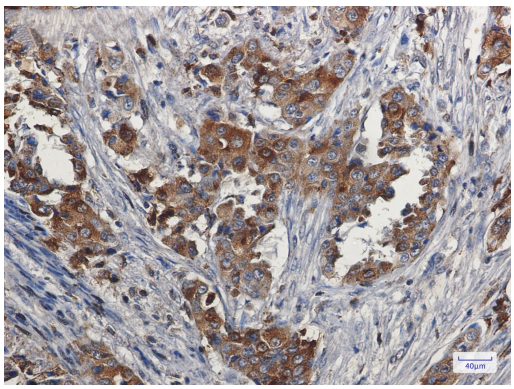
Application Details

WB: 1/1000; IHC: 1/500

Images



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.



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

Background

Swiss-Prot Acc.P61916.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 .

Note: This product is for in vitro research use only