

Rabbit Niemann Pick C2/NPC2 Polyclonal Antibody | anti-NPC2 antibody

Anti-Niemann Pick C2/NPC2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125434	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

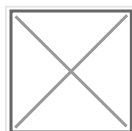
PRODUCT SYNONYMS

Niemann Pick C2/NPC2; Polyclonal Antibody; Anti-Niemann Pick C2/NPC2 Antibody; NPC intracellular cholesterol transporter 2; Epididymal secretory protein E1; Human epididymis-specific protein 1; He1; Niemann-Pick disease type C2 protein; NPC2; HE1; anti-NPC2 antibody

PRODUCT SPECIFICATIONS

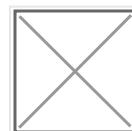
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	151
Applicable Applications for anti-NPC2 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Niemann Pick C2/NPC2 recombinant protein (Position: E20-L151).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

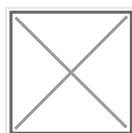


WB (Western Blot)

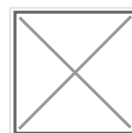
Figure 1. Western blot analysis of NPC2 using anti-NPC2 antibody.



IHC (Immunohistochemistry)



IHC (Immunohistochemistry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-NPC2 antibody	<p>Description: Rabbit IgG polyclonal antibody for Niemann Pick C2/NPC2 detection. Tested with WB, IHC-P, FCM, Direct ELISA in Human; Mouse; Rat.</p> <p>Background: Epididymal secretory protein E1 (also called NPC intracellular cholesterol transporter 2, or NPC2) is a protein associated with Niemann-Pick disease, type C. It is mapped to 14q24.3. This gene encodes a protein containing a lipid recognition domain. The encoded protein may function in regulating the transport of cholesterol through the late endosomal/lysosomal system. Mutations in this gene have been associated with Niemann-Pick disease, type C2 and frontal lobe atrophy.</p>
References	<p>1. Blom, T. S., Linder, M. D., Snow, K., Pihko, H., Hess, M. W., Jokitalo, E., Veckman, V., Syvanen, A.-C., Ikonen, E. Defective endocytic trafficking of NPC1 and NPC2 underlying infantile Niemann-Pick type C disease. Hum. Molec. Genet. 12: 257-272, 2003.</p> <p>2. Sleat, D. E., Wiseman, J. A., El-Banna, M., Price, S. M., Verot, L., Shen, M. M., Tint, G. S., Vanier, M. T., Walkley, S. U., Lobel, P. Genetic evidence for nonredundant functional cooperativity between NPC1 and NPC2 in lipid transport. Proc. Nat. Acad. Sci. 101: 5886-5891, 2004.</p> <p>3. Verot, L., Chikh, K., Freydiere, E., Honore, R., Vanier, M. T., Millat, G. Niemann-Pick C disease: functional characterization of three NPC2 mutations and clinical and molecular update on patients with NPC2. Clin. Genet. 71: 320-330, 2007.</p>

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453678
NCBI GeneID	10577
NCBI Accession #	NP_006423
NCBI GenBank Nucleotide #	NP_006423.1
UniProt Accession #	P61916
NCBI Official Full Name	NPC intracellular cholesterol transporter 2 isoform 2
NCBI Official Synonym Full Names	NPC intracellular cholesterol transporter 2
NCBI Official Symbol	NPC2
NCBI Official Synonym Symbols	HE1; EDDM1
NCBI Protein Information	NPC intracellular cholesterol transporter 2
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.