Product datasheet

Anti-NPC2 Antibody

Catalog Number: *A01582-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-NPC2 Antibody
Gene Name	NPC2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Niemann Pick C2, which shares 79.4% and 76.5% amino acid (aa) sequence identity with mouse and rat Niemann Pick C2, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	16-19 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

NPC2 is a protein associated with Niemann-Pick disease, type C. This gene is mapped to chromosome 14q24.3. It 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.

Reference

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Anti-NPC2 Antibody被引用在1文献中。

Selected Validation Data

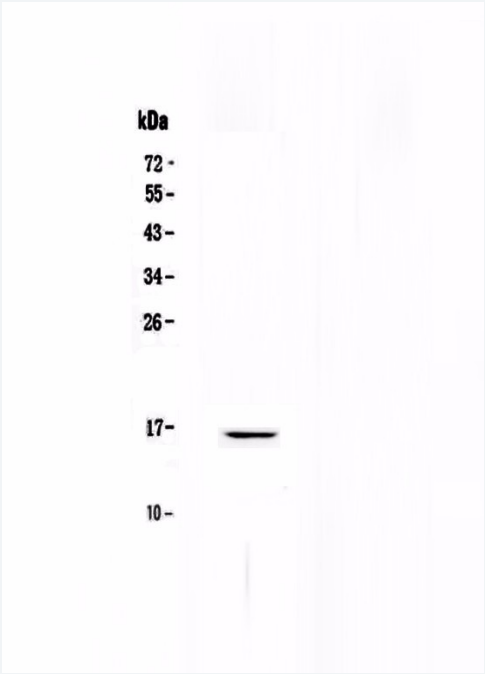

Figure 1. Western blot analysis of NPC2 using anti-NPC2 antibody (A01582-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human SK-OV-3 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-NPC2 antigen affinity purified polyclonal antibody (A01582-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NPC2 at approximately 16-19 kDa. The expected band size for NPC2 is at 17 kDa.

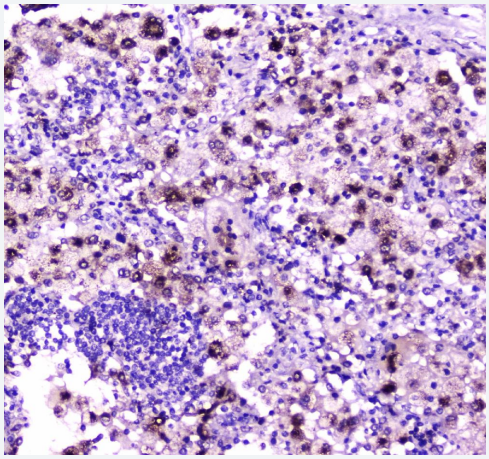

Figure 2. IHC analysis of NPC2 using anti-NPC2 antibody (A01582-2).
NPC2 was detected in a paraffin-embedded section of human lung cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-NPC2 Antibody (A01582-2) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1022) as the chromogen.