

A3993

Leader in Biomolecular Solutions for Life Science



NPC1 Rabbit pAb

Catalog No.: A3993

Basic Information

Observed MW

Refer to figures

Calculated MW

142kDa

Category

Polyclonal Antibody

Applications

WB, ELISA

Cross-Reactivity

Human

Background

This gene encodes a large protein that resides in the limiting membrane of endosomes and lysosomes and mediates intracellular cholesterol trafficking via binding of cholesterol to its N-terminal domain. It is predicted to have a cytoplasmic C-terminus, 13 transmembrane domains, and 3 large loops in the lumen of the endosome - the last loop being at the N-terminus. This protein transports low-density lipoproteins to late endosomal/lysosomal compartments where they are hydrolyzed and released as free cholesterol. Defects in this gene cause Niemann-Pick type C disease, a rare autosomal recessive neurodegenerative disorder characterized by over accumulation of cholesterol and glycosphingolipids in late endosomal/lysosomal compartments.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

4864

Swiss Prot

O15118

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 23-260 of human NPC1 (NP_000262.2).

Synonyms

NPC; POGZ; SLC65A1; NPC1

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.