

Product Name: Niemann Pick C1 Rabbit Monoclonal Antibody
Catalog #: AMRe86256



Summary

Production Name	Niemann Pick C1 Rabbit Monoclonal Antibody
Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB, IHC-P, ICC/IF, FC
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Immunogen

Gene Name	Niemann Pick C1
Alternative Names	NPC
Gene ID	4864
SwissProt ID	O15118.

Application

Dilution Ratio	WB: 1:1000-1:5000 IHC-P: 1:50-1:100 ICC/IF: 1:50-1:100 FC: 1:100-1:200
Molecular Weight	Calculated MW:142 kDa; Observed MW:160-180 kDa

Product Name: Niemann Pick C1 Rabbit Monoclonal Antibody
Catalog #: AMRe86256

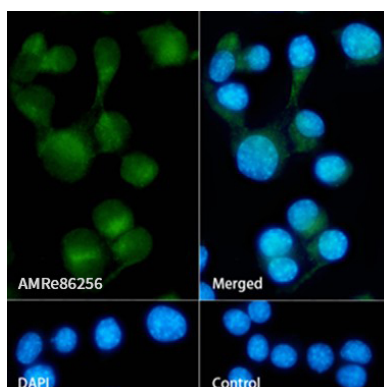


Background

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.[provided by RefSeq, Aug 2009]

Research Area

Image Data



Immunofluorescence analysis of Neuro-2a cells labelling Niemann Pick C1 with AMRe86256.

Note

For research use only.