

Datasheet for ABIN7141218
anti-NPC2 antibody (AA 22-149) (HRP)



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Overview

Quantity:	100 µg
Target:	NPC2
Binding Specificity:	AA 22-149
Reactivity:	Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPC2 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Dog NPC intracellular cholesterol transporter 2 protein (22-149AA)
Isotype:	IgG
Cross-Reactivity:	Dog
Purification:	>95%, Protein G purified

Target Details

Target:	NPC2
Alternative Name:	NPC2 (NPC2 Products)
Background:	Background: Intracellular cholesterol transporter which acts in concert with NPC1 and plays an important role in the egress of cholesterol from the endosomal/lysosomal compartment. Both

Target Details

NPC1 and NPC2 function as the cellular 'tag team duo' (TTD) to catalyze the mobilization of cholesterol within the multivesicular environment of the late endosome (LE) to effect egress through the limiting bilayer of the LE. NPC2 binds unesterified cholesterol that has been released from LDLs in the lumen of the late endosomes/lysosomes and transfers it to the cholesterol-binding pocket of the N-terminal domain of NPC1. Cholesterol binds to NPC1 with the hydroxyl group buried in the binding pocket and is exported from the limiting membrane of late endosomes/ lysosomes to the ER and plasma membrane by an unknown mechanism. The secreted form of NPC2 regulates biliary cholesterol secretion via stimulation of ABCG5/ABCG8-mediated cholesterol transport.

Aliases: NPC2 antibody, NPC intracellular cholesterol transporter 2 antibody, Epididymal secretory protein E1 antibody, cE1 antibody, Niemann Pick type C2 protein homolog antibody

UniProt: [Q28895](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.