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Datasheet for ABIN1385817 anti-NPC2 antibody (AA 20-80)

Image



Overview

Quantity:	100 µL
Target:	NPC2
Binding Specificity:	AA 20-80
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPC2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Niemann Pick C2
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep
Purification:	Purified by Protein A.

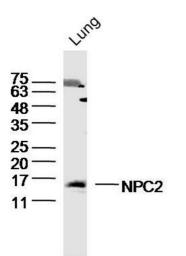
Target Details

Target:	NPC2
Alternative Name:	NPC2/Niemann Pick C2 (NPC2 Products)
Background:	Synonyms: EDDM1, Epididymal protein 1, Epididymal secretory protein, Epididymal secretory

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	protein E1, HE1, Human epididymis-specic protein 1, Niemann-Pick disease type C2, Niemann-
	Pick disease type C2 protein, NPC2, NPC2_HUMAN, Tissue specic secretory protein.
	Background: NPC2 is a secreted protein mapping against gene 14q24.3 (1,2). NPC2 regulates
	the lipid composition of sperm membranes during maturation in the epididymis(1,2). Mutations
	in the NPC2 gene may cause Nieman-Pick type C2 disease and frontal lobe atrophy (1,2,3).
	Nieman-Pick type C2 is a fatal hereditary disease characterized by defective lysosome release
	of cholesterol (3). The disease is caused by HE1 deficiency, a lysosmal protein proven to be
	undetectable in fibroblasts from NPC2 patients (3). This differentiates NPC2 from NPC1, as
	NPC1 has HE1 protein present (3).
Pathways:	SARS-CoV-2 Protein Interactome
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

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Western Blotting

Image 1. Mouse Lung lysates probed with NPC2 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.

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