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Datasheet for ABIN6944307  
**anti-NPC1 antibody**

### Overview

Quantity:	100 µL
Target:	NPC1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This NPC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	Synthetic peptide within human NPC1 aa 1250-1270
Clone:	1B12
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	NPC1
Alternative Name:	NPC1 ( <a href="#">NPC1 Products</a> )

## Target Details

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**Background:** Synonyms: NPC intracellular cholesterol transporter 1, Niemann Pick C1 protein, NPC1, POGZ, SLC65A1

Background: Intracellular cholesterol transporter which acts in concert with NPC2 and plays an important role in the egress of cholesterol from the endosomal/lysosomal compartment. Unesterified cholesterol that has been released from LDLs in the lumen of the late endosomes/lysosomes is transferred by NPC2 to the cholesterol-binding pocket in the N-terminal domain of NPC1. Cholesterol binds to NPC1 with the hydroxyl group buried in the binding pocket. Binds oxysterol with higher affinity than cholesterol. May play a role in vesicular trafficking in glia, a process that may be crucial for maintaining the structural and functional integrity of nerve terminals (Probable). Acts as an endosomal entry receptor for ebolavirus.

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**Gene ID:** 4864

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**UniProt:** [O15118](#)

## Application Details

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**Application Notes:** WB 1:300-5000  
FCM 1:20-100  
IHC-P 1:200-400  
IF(IHC-P) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 1xTBS ( pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

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**Preservative:** ProClin

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

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**Storage:** 4 °C,-20 °C

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**Storage Comment:** Store at 4°C for up to 2 weeks. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

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## Handling

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Expiry Date: 12 months