

## Basic Information

<b>Product Name</b>	Anti-NPC2 Antibody	
<b>Gene Name</b>	NPC2	
<b>Source</b>	Rabbit	
<b>Clonality</b>	Polyclonal	
<b>Isotype</b>	IgG	
<b>Species Reactivity</b>	human, mouse, rat	
<b>Tested Application</b>	WB, IHC, ICC/IF, FCM, ELISA	
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
<b>Immunogen</b>	E.coli-derived human Niemann Pick C2/NPC2 recombinant protein (Position: E20-L151).	
<b>Concentration</b>	500 ug/ml	
<b>Purification</b>	Immunogen affinity purified.	
<b>Observed MW</b>	19 kDa	
<b>Dilution Ratios</b>	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-400
	Flow Cytometry (Fixed):	1:50-200
	Enzyme linked immunosorbent assay (ELISA):	1:100-1000
	(Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Epididymal secretory protein E1 (also called NPC intracellular cholesterol transporter 2, or NPC2) is a protein associated with Niemann-Pick disease, type C. It is mapped to 14q24.3. This gene encodes a protein containing a lipid recognition domain. The encoded protein may function in regulating the transport of cholesterol through the late endosomal/lysosomal system. Mutations in this gene have been associated with Niemann-Pick disease, type C2 and frontal lobe atrophy.

## Reference

Anti-NPC2 Antibody被引用在1文献中。

## Selected Validation Data

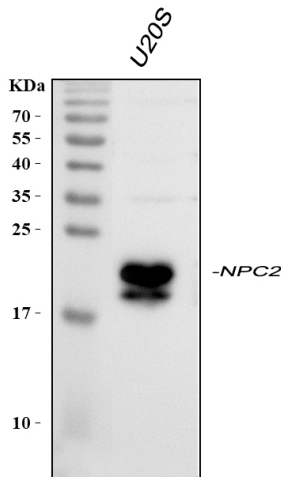


Figure 1. Western blot analysis of anti- NPC2 antibody (A01582-3). The sample well of each lane was loaded with 30ug of sample under reducing conditions.

Lane 1: human U20S whole cell lysates.

Use rabbit anti- NPC2 1:1000, probed with a goat anti-rabbit IgG- HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog#EK1002). A specific band was detected for NPC2 at approximately 19KD. The expected band size for NPC2 is at 16KD.

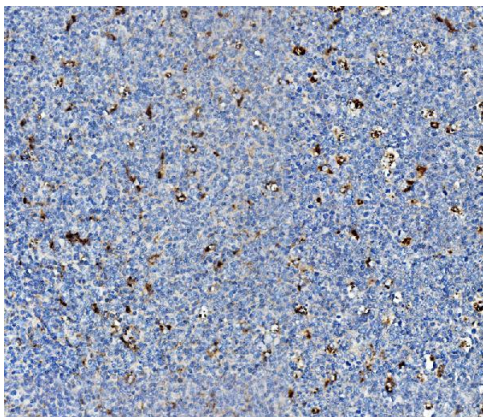


Figure 2. IHC analysis of anti-NPC2 antibody (A01582-3). detected in paraffin-embedded section of human tonsil tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody . The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

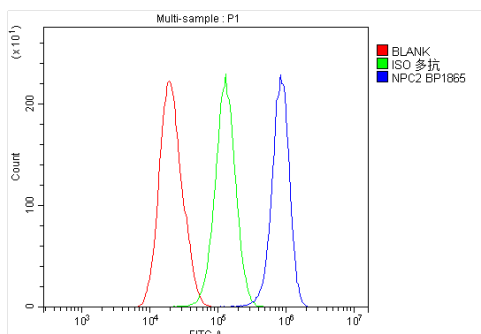


Figure 4. Flow cytometry analysis of HepG2 cell(1:100) DyLight488 conjugated goat anti-rabbit IgG(blue) was used as secondary antibody. Isotype control antibody (Green line) was rabbit IgG DyLight488. Unlabelled sample (Red line).

Product datasheet

## Anti-NPC2 Antibody

Catalog Number: **A01582-3**

# BOSTER

antibody and ELISA experts

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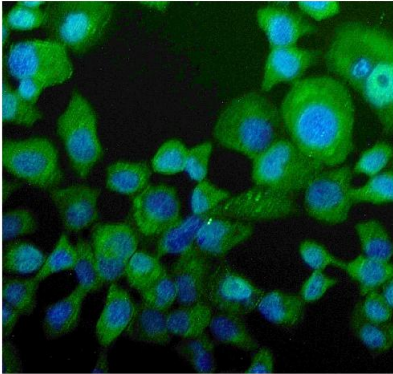


Figure 5. IF analysis of NPC2 using anti-NPC2 antibody (A01582-3). NPC2 was detected in an immunocytochemical section of A431 cells. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).