

Product Name: KD-Validated NPC2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00492**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 16.6kDa

Antigen Information

Gene Name	NPC2
Alternative Names	NPC2; NPC Intracellular Cholesterol Transporter 2; HE1; EDDM1; Niemann-Pick Disease Type C2 Protein; Human Epididymis-Specific Protein 1; Epididymal Protein 1; NP-C2; Epididymis Secretory Sperm Binding Protein; Tissue-Specific Secretory Protein; Epididymal Secretory Protein E1; Niemann-Pick Disease, Type C2; He1
Gene ID	10577.0
SwissProt ID	P61916
Immunogen	Recombinant protein of human Niemann Pick C2

Background

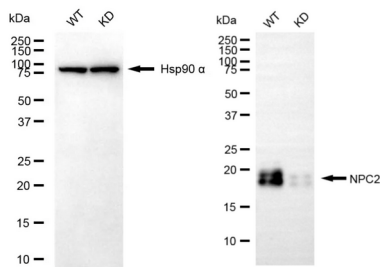
This gene encodes a protein containing a lipid recognition domain. The encoded protein may function in regulating the

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. [provided by RefSeq, Jul 2008]

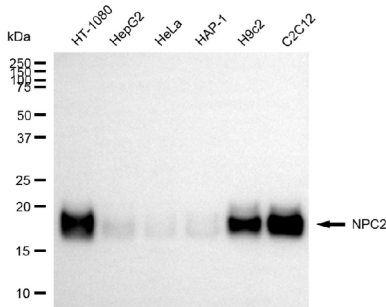
Research Area

Cardiovascular,Signal Transduction,Neuroscience,Metabolism

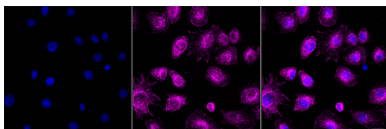
Image Data



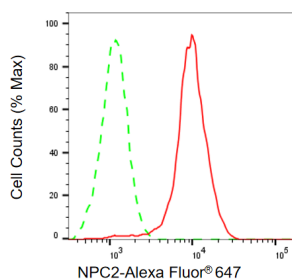
Western blotting analysis using NPC2 antibody (KVA00492). NPC2 expression in wild-type (WT) and NPC2 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NPC2 antibody (KVA00492, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using NPC2 antibody (KVA00492). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NPC2 antibody (KVA00492, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with NPC2 antibody (KVA00492, 1:1,000). Nuclei were stained blue with DAPI; NPC2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of NPC2 expression in C2C12 cells using NPC2 antibody (KVA00492, 1:1,000). Green, isotype control; red, NPC2.