

Product Name: KD-Validated Sorting Nexin 4 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00837

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 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 51.9kDa

Antigen Information

Gene Name	SNX4
Alternative Names	SNX4; Sorting Nexin 4; ATG24B; Sorting Nexin-4
Gene ID	8723.0
SwissProt ID	O95219
Immunogen	A synthesized peptide derived from human SNX4

Background

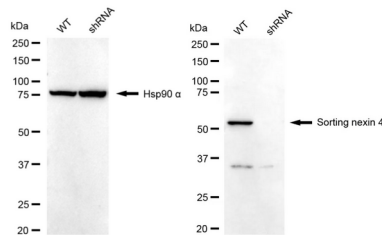
This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein associated with the long isoform of the leptin receptor and with receptor tyrosine kinases for platelet-derived growth factor, insulin, and epidermal growth factor in cell cultures, but its function is unknown. This protein may form oligomeric complexes with family members. Two transcript

variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Nov 2012]

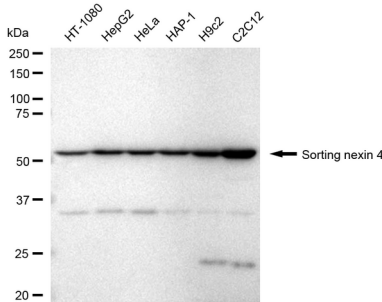
Research Area

Signal Transduction

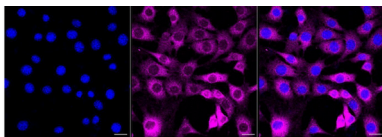
Image Data



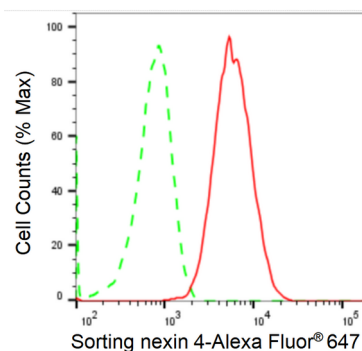
Western blotting analysis using Sorting nexin 4 antibody (KVA00837). Sorting nexin 4 expression in wild type (WT) and Sorting nexin 4 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Sorting nexin 4 antibody (KVA00837, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using sorting nexin 4 antibody (KVA00837). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with sorting nexin 4 antibody (KVA00837, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Sorting nexin 4 antibody (KVA00837, 1:1,000). Nuclei were stained blue with DAPI; Sorting nexin 4 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 Sorting nexin 4 expression in C2C12 cells using Sorting nexin 4 antibody (KVA00837, 1:2,000). Green, isotype control; red, Sorting nexin 4.