

Product Name: KD-Validated SORL1 Mouse Monoclonal Antibody**Catalog #: KVA00503**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Mouse 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 1:500-1:2,500; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 248.4kDa

Antigen Information

Gene Name	SORL1
Alternative Names	SORL1; Sortilin Related Receptor 1; SorLA-1; SorLA; LR11; LDLR Relative With 11 Ligand-Binding Repeats; C11orf32; Gp250; LRP9; Low-Density Lipoprotein Receptor Relative With 11 Ligand-Binding Repeats; Sorting Protein-Related Receptor Containing LDLR Class A Repeats; Sortilin-Related Receptor; Sortilin-Related Receptor, L(DLR Class) A Repeats-Containing; Sortilin-Related Receptor, L(DLR Class) A Repeats Containing; Chromosome 11 Open Reading Frame 32; Mosaic Protein LR11
Gene ID	6653.0
SwissProt ID	Q92673
Immunogen	Recombinant protein of human SORL1

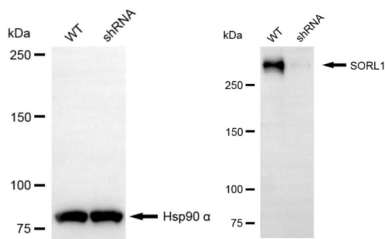
Background

This gene encodes a mosaic protein that belongs to at least two families: the vacuolar protein sorting 10 (VPS10) domain-containing receptor family, and the low density lipoprotein receptor (LDLR) family. The encoded protein also contains fibronectin type III repeats and an epidermal growth factor repeat. The encoded preproprotein is proteolytically processed to generate the mature receptor, which likely plays roles in endocytosis and sorting. Mutations in this gene may be associated with Alzheimer's disease. [provided by RefSeq, Feb 2016]

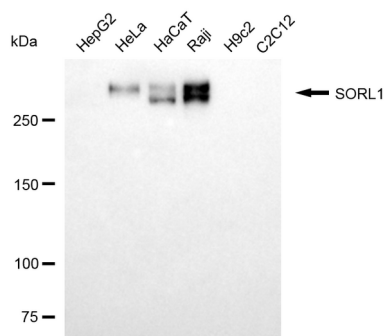
Research Area

Cancer

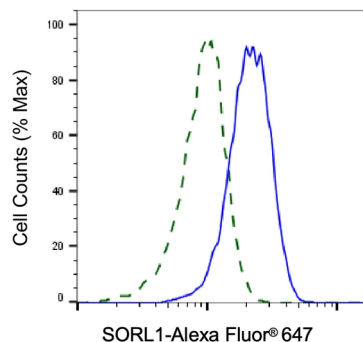
Image Data



Western blotting analysis using SORL1 antibody (KVA00503). SORL1 expression in wild-type (WT) and SORL1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with SORL1 antibody (KVA00503, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using SORL1 antibody (KVA00503). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SORL1 antibody (KVA00503, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Validation of SORL1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with SORL1 antibody (KVA00503, 1:2,000) and analyzed using BD flow cytometer.