

Product Name: KD-Validated LRCH4 Mouse Monoclonal Antibody**Catalog #: KVA00049**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 73.5kDa

Antigen Information

Gene Name	LRCH4
Alternative Names	LRCH4; Leucine Rich Repeats And Calponin Homology Domain Containing 4; LRRN1; LRN; Leucine-Rich Repeat And Calponin Homology Domain-Containing Protein 4; Leucine-Rich Repeats And Calponin Homology (CH) Domain Containing 4; Leucine-Rich Neuronal Protein; LRRN4; Leucine-Rich Repeat Neuronal Protein 4; Leucine Rich Repeat Neuronal 4; PP14183
Gene ID	4034.0
SwissProt ID	O75427
Immunogen	Recombinant protein of human LRCH4

Background

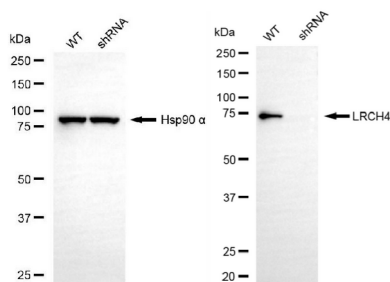
This gene encodes a protein that contains leucine-rich repeats (LRR) at its amino terminus and that is known to be involved in

ligand binding. The carboxyl terminus may act as a membrane anchor. Identified structural elements suggest that the encoded protein resembles a receptor. [provided by RefSeq, Jul 2008]

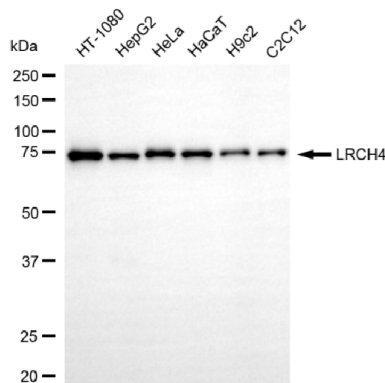
Research Area

Cell Biology

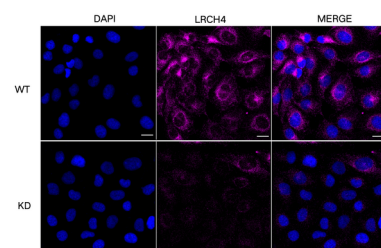
Image Data



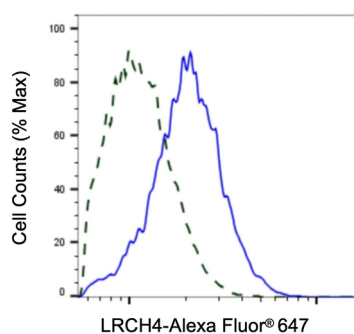
Western blotting analysis using LRCH4 antibody (KVA00049). LRCH4 expression in wild-type (WT) and LRCH4 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with LRCH4 antibody (KVA00049, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



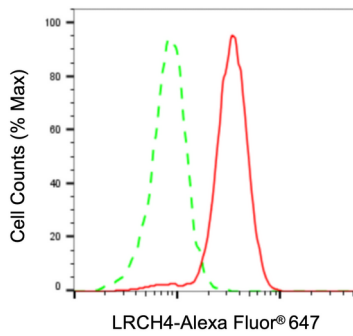
Western blotting analysis using LRCH4 antibody (KVA00049). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with LRCH4 antibody (KVA00049, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells using LRCH4 antibody (KVA00049, 1:1,000), Top panel: wild-type (WT); Bottom panel: LRCH4 shRNA knockdown (KD). Nuclei were stained blue with DAPI; LRCH4 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Validation of LRCH4 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HT-1080 cells were stained with LRCH4 antibody (KVA00049, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of LRCH4 expression in HT-1080 cells using LRCH4 antibody (KVA00049, 1:2,000). Green, isotype control; red, LRCH4.