

Product Name: KD-Validated LLGL1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00310**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
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: 115.4kDa

Antigen Information

Gene Name	LLGL1 LLGL1; LLGL Scribble Cell Polarity Complex Component 1; Lgl1; Mgl1; DLG4; HUGL; LLGL; Lethal Giant Larvae Homolog 1, Scribble Cell Polarity Complex Component; Lethal(2) Giant
Alternative Names	Larvae Protein Homolog 1; Human Homolog To The D-Lgl Gene Protein; HUGL-1; HUGL1; LLGL1, Scribble Cell Polarity Complex Component; Lethal Giant Larvae Homolog 1 (Drosophila); Hugi-1
Gene ID	3996.0
SwissProt ID	Q15334
Immunogen	Recombinant protein of human LLGL1

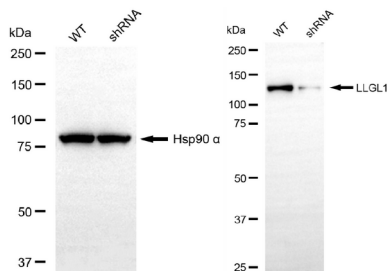
Background

This gene encodes a protein that is similar to a tumor suppressor in *Drosophila*. The protein is part of a cytoskeletal network and is associated with nonmuscle myosin II heavy chain and a kinase that specifically phosphorylates this protein at serine residues. The gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

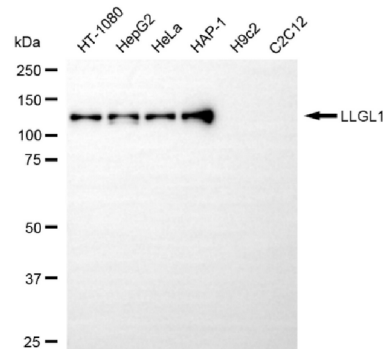
Research Area

Neuroscience, Signal Transduction, Stem Cells, Cell Biology, Cancer

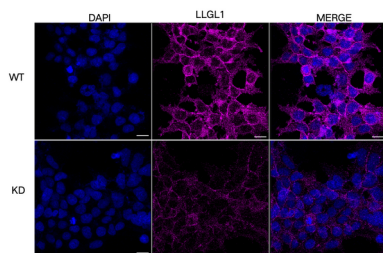
Image Data



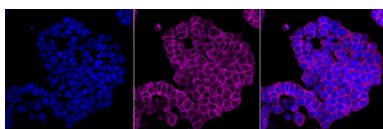
Western blotting analysis using LLGL1 antibody (KVA00310). LLGL1 expression in wild-type (WT) and LLGL1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with LLGL1 antibody (KVA00310, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



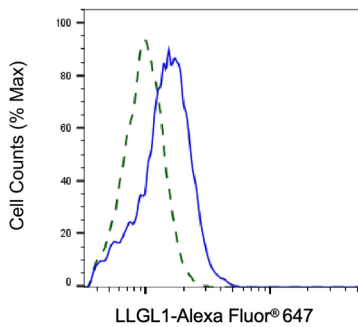
Western blotting analysis using LLGL1 antibody (KVA00310). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with LLGL1 antibody (KVA00310, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



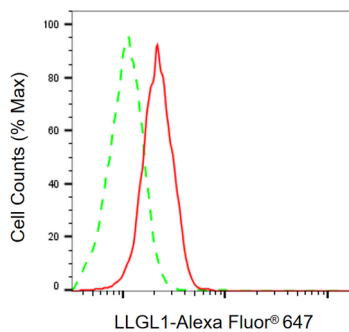
Immunocytochemical staining of HeLa cells using LLGL1 antibody (KVA00310, 1:1,000), Top panel: wild-type (WT); Bottom panel: LLGL1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; LLGL1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HAP-1 cells with LLGL1 antibody (KVA00310, 1:1,000). Nuclei were stained blue with DAPI; LLGL1 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.



Validation of LLGL1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with LLGL1 antibody (KVA00310, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of LLGL1 expression in HAP-1 cells using LLGL1 antibody (KVA00310, 1:2,000). Green, isotype control; red, LLGL1.