

Product Name: KD-Validated DLG1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01256**

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: 100.5kDa

Antigen Information

Gene Name	DLG1
Alternative Names	DLG1; Discs Large MAGUK Scaffold Protein 1; SAP-97; SAP97; Synapse-Associated Protein 97; DJ1061C18.1.1; DLGH1; Hdlg; Discs Large Homolog 1, Scribble Cell Polarity Complex Component; Presynaptic Protein SAP97; Disks Large Homolog 1; Discs, Large Homolog 1 (Drosophila); Discs Large Homolog 1; HDlg
Gene ID	1739.0
SwissProt ID	Q12959
Immunogen	A synthesized peptide derived from human SAP97

Background

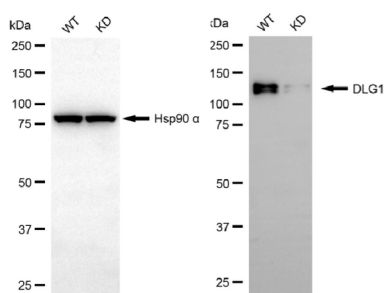
This gene encodes a multi-domain scaffolding protein that is required for normal development. This protein may have a role in

septate junction formation, signal transduction, cell proliferation, synaptogenesis and lymphocyte activation. A multitude of transcript variants deriving from alternative splicing and the use of multiple alternate promoter have been observed, including some splice variants that may be specific to brain and other tissues. An upstream uORF may regulate translation at some splice variants of this gene. [provided by RefSeq, Sep 2018]

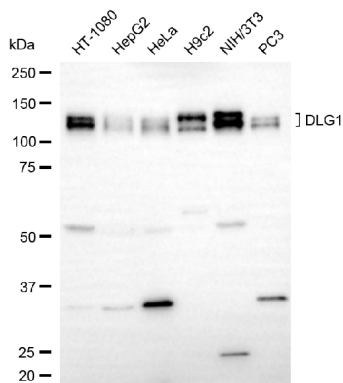
Research Area

Neuroscience, Microbiology

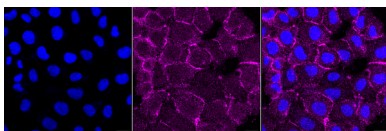
Image Data



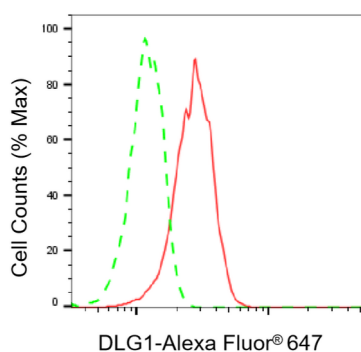
Western blotting analysis using DLG1 antibody (KVA01256). DLG1 expression in wild-type (WT) and DLG1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with DLG1 antibody (KVA01256, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using DLG1 antibody (KVA01256). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DLG1 antibody (KVA01256, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with DLG1 antibody (KVA01256, 1:1,000). Nuclei were stained blue with DAPI; DLG1 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 DLG1 expression in HT-1080 cells using DLG1 antibody (KVA01256, 1:2,000). Green, isotype control; red, DLG1.