
Product Name: KD-Validated LGI1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01800**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
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
Molecular Weight	Calculated MW: 63.8kDa

Antigen Information

Gene Name	LGI1
Alternative Names	LGI1; Leucine Rich Glioma Inactivated 1; Epitempin-1; EPITEMPIN; IB1099; ETL1; EPT; Leucine-Rich Glioma-Inactivated Protein 1; Epilepsy, Partial; ADPAEF; ADPEAF; ADLTE
Gene ID	9211.0
SwissProt ID	O95970
Immunogen	A synthesized peptide derived from human Lgi1

Background

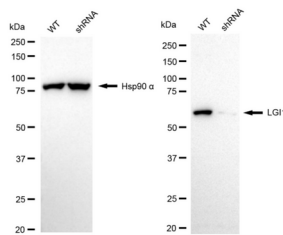
This gene encodes a member of the secreted leucine-rich repeat (LRR) superfamily and shares homology with members of the SLIT protein family. The encoded protein may regulate the activity of voltage-gated potassium channels and may be involved in neuronal growth regulation and cell survival. This gene is rearranged as a result of translocations in glioblastoma cell lines, and

it is frequently down-regulated or rearranged in malignant gliomas. Mutations in this gene result in autosomal dominant lateral temporal epilepsy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

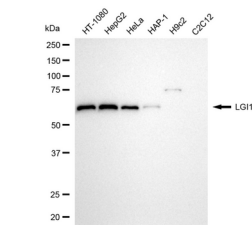
Research Area

Neuroscience, Epigenetics and Nuclear Signaling

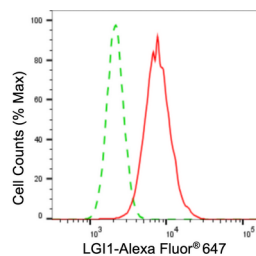
Image Data



Western blotting analysis using LGI1 antibody (KVA01800). LGI1 expression in wild type (WT) and LGI1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with LGI1 antibody (KVA01800, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using LGI1 antibody (KVA01800). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with LGI1 antibody (KVA01800, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of LGI1 expression in HepG2 cells using LGI1 antibody (KVA01800, 1:2,000). Green, isotype control; red, LGI1.