

Anti-ADGRL3 / LPHN3 Antibody (C-Terminus)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17503**Specification****Anti-ADGRL3 / LPHN3 Antibody (C-Terminus) - Product Information**

Application	IHC-P
Primary Accession	Q9HAR2
Predicted	Human, Mouse, Rat, Hamster, Monkey, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	161812
Dilution	IHC-P~~N/A

Anti-ADGRL3 / LPHN3 Antibody (C-Terminus) - Additional Information**Gene ID** 23284**Alias Symbol** **ADGRL3****Other Names**

ADGRL3, C1RL3, C1RL-3, Lectomedin 3, Lectomedin-3, Lph3, KIAA0768, Latrophilin 3, Latrophilin homolog 3 (cow), LPHN3, CI3 latrotoxin receptor, Latrophilin-3, LEC3

Target/Specificity

Human LPHN3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-ADGRL3 / LPHN3 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ADGRL3 / LPHN3 Antibody (C-Terminus) - Protein Information**Name** ADGRL3 {ECO:0000303|PubMed:35418682, ECO:0000312|HGNC:HGNC:20974}**Function**

Orphan adhesion G-protein coupled receptor (aGPCR), which mediates synapse specificity (PubMed:35418682). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors (PubMed:35418682). ADGRL3 is coupled with different classes of G alpha proteins, such as G(12)/G(13), G(s), G(i) or G(q), depending on the context (PubMed:35418682). Coupling to G(12)/G(13) G proteins, which mediates the

activation Rho small GTPases is the most efficient (PubMed:35418682). Following G-protein coupled receptor activation, associates with cell adhesion molecules that are expressed at the surface of adjacent cells to direct synapse specificity (PubMed:26235030). Specifically mediates the establishment of Schaffer- collateral synapses formed by CA3-region axons on CA1-region pyramidal neurons in the hippocampus (By similarity). Localizes to postsynaptic spines in excitatory synapses in the S.oriens and S.radiatum and interacts with presynaptic cell adhesion molecules FLRT3 and TENM2, promoting synapse formation (By similarity). Plays a role in the development of glutamatergic synapses in the cortex (By similarity). Important in determining the connectivity rates between the principal neurons in the cortex (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q80TS3}; Multi-pass membrane protein. Cell projection, axon {ECO:0000250|UniProtKB:Q80TS3}. Cell junction {ECO:0000250|UniProtKB:Q80TS3}

Anti-ADGRL3 / LPHN3 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ADGRL3 / LPHN3 Antibody (C-Terminus) - Images