

LPHN2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51322**Specification**

LPHN2 Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	O95490
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	163 KDa

LPHN2 Antibody - Additional Information**Gene ID** 23266**Other Names**

Letrophilin-2, Calcium-independent alpha-latrotoxin receptor 2, C1RL-2, Letrophilin homolog 1, Lecomedin-1, LPHN2, KIAA0786, LEC1, LPHH1

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human LPHN2. The exact sequence is proprietary.

Dilution

WB~~1:1000

IHC-P~~N/A

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

LPHN2 Antibody - Protein Information**Name** ADGRL2 ([HGNC:18582](#))**Function**

Orphan adhesion G-protein coupled receptor (aGPCR), which mediates synapse specificity (By similarity). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors (By similarity). Following G-protein coupled receptor activation, associates with cell adhesion molecules that are expressed at the surface of adjacent cells to direct synapse specificity. Specifically mediates the establishment of perforant-path synapses on CA1-region pyramidal neurons in the hippocampus. Localizes to postsynaptic spines in excitatory synapses in the

S.lacunosum- molecule and interacts with presynaptic cell adhesion molecules, such as teneurins, promoting synapse formation (By similarity).

Cellular Location

Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q8JZZ7}; Multi-pass membrane protein

Tissue Location

Expressed very widely in all normal tissues tested. Expression is variable in tumor cell lines, apparently elevated in some lines and absent or markedly reduced in others

LPHN2 Antibody - 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](#)

LPHN2 Antibody - Images**LPHN2 Antibody - Background**

Calcium-independent receptor of low affinity for alpha- latrotoxin, an excitatory neurotoxin present in black widow spider venom which triggers massive exocytosis from neurons and neuroendocrine cells. Receptor probably implicated in the regulation of exocytosis (By similarity).

LPHN2 Antibody - References

White G.R.M.,et al.Oncogene 17:3513-3519(1998).
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Hayflick J.S.,et al.Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).
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