

Anti-LPHN1 Antibody
Catalog # AP53821**Specification**

Anti-LPHN1 Antibody - Product Information

Application	WB
Primary Accession	O94910
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	162717

Anti-LPHN1 Antibody - Additional Information**Gene ID** 22859**Other Names**

KIAA0821; LEC2; Latrophilin-1; Calcium-independent alpha-latrotoxin receptor 1; C1RL-1; Lectomedin-2

Target/Specificity

Recognizes endogenous levels of LPHN1 protein.

Dilution

WB~~1/500 - 1/1000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

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

Anti-LPHN1 Antibody - Protein Information**Name** ADGRL1 ([HGNC:20973](#))**Function**

Calcium-independent receptor of high affinity for alpha- latrotoxin, an excitatory neurotoxin present in black widow spider venom which triggers massive exocytosis from neurons and neuroendocrine cells (PubMed:35907405). Receptor for TENM2 that mediates heterophilic synaptic cell-cell contact and postsynaptic specialization. Receptor probably implicated in the regulation of exocytosis (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Cell projection, axon {ECO:0000250|UniProtKB:O88917}. Cell projection, growth cone

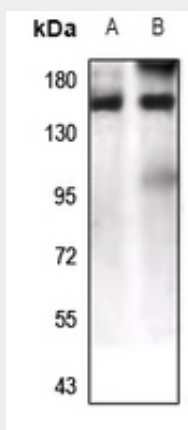
{ECO:0000250|UniProtKB:O88917}. Synapse {ECO:0000250|UniProtKB:O88917} Presynaptic cell membrane {ECO:0000250|UniProtKB:O88917}. Synapse, synaptosome {ECO:0000250|UniProtKB:O88917}. Note=Colocalizes with TENM2 on the cell surface, across intercellular junctions and on nerve terminals near synaptic clefts.
{ECO:0000250|UniProtKB:O88917}

Anti-LPHN1 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](#)

Anti-LPHN1 Antibody - Images



Western blot analysis of LPHN1 expression in rat kidney (A), HeLa (B) whole cell lysates.

Anti-LPHN1 Antibody - Background

Rabbit polyclonal antibody to LPHN1