

Anti-LPHN1 Antibody

Catalog # AP53821

Product Information

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

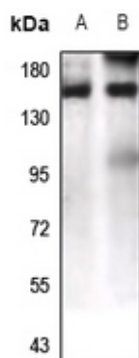
Additional Information

Gene ID	22859
Other Names	KIAA0821; LEC2; Latrophilin-1; Calcium-independent alpha-latrotoxin receptor 1; CIRL-1; Lectomedin-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human LPHN1. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

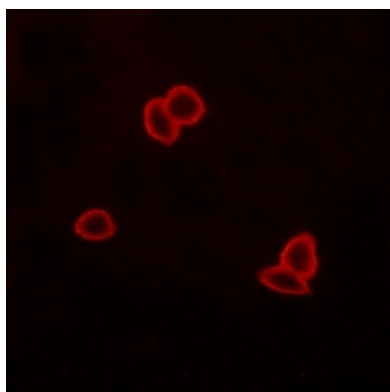
Protein Information

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}

Images



Western blot analysis of LPHN1 expression in rat kidney (A), HeLa (B) whole cell lysates. (Predicted band size: 162 kD; Observed band size: 163 kD)



Immunofluorescent analysis of LPHN1 staining in LOVO cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.