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LPHN2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51322

Product Information

Application	WB, IHC-P
Primary Accession	O95490
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	163349

Additional Information

Gene ID	23266
Other Names	Latrophilin-2, Calcium-independent alpha-latrotoxin receptor 2, CIRL-2, Latrophilin homolog 1, Lectomedin-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
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

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- moleculare 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

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 propably implicated in the regulation of exocytosis (By similarity).

References

White G.R.M.,et al.Oncogene 17:3513-3519(1998).
White G.R.M.,et al.Biochim. Biophys. Acta 1491:75-92(2000).
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Gregory S.G.,et al.Nature 441:315-321(2006).
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