

**LPHN3 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17661a****Specification**

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**LPHN3 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9HAR2](#)**LPHN3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 23284**Other Names**

Latrophilin-3, Calcium-independent alpha-latrotoxin receptor 3, CIRL-3, Lectomedin-3, LPHN3, KIAA0768, LEC3

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**LPHN3 Antibody (N-term) Blocking Peptide - Protein Information****Name** ADGRL3 ([HGNC:20974](#))**Function**

Plays a role in cell-cell adhesion and neuron guidance via its interactions with FLRT2 and FLRT3 that are expressed at the surface of adjacent cells (PubMed:&lt;a href="http://www.uniprot.org/citations/26235030" target="\_blank"&gt;26235030&lt;/a&gt;). Plays a role in the development of glutamatergic synapses in the cortex. Important in determining the connectivity rates between the principal neurons in the cortex.

**Cellular Location**

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

**LPHN3 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**LPHN3 Antibody (N-term) Blocking Peptide - Images****LPHN3 Antibody (N-term) Blocking Peptide - Background**

This gene encodes a member of the latrophilin subfamily of G-protein coupled receptors (GPCR). Latrophilins may function in both cell adhesion and signal transduction. In experiments with non-human species, endogenous proteolytic cleavage within a cysteine-rich GPS (G-protein-coupled-receptor proteolysis site) domain resulted in two subunits (a large extracellular N-terminal cell adhesion subunit and a subunit with substantial similarity to the secretin/calcitonin family of GPCRs) being non-covalently bound at the cell membrane.

**LPHN3 Antibody (N-term) Blocking Peptide - References**

Arcos-Burgos, M., et al. Mol. Psychiatry 15(11):1053-1066(2010) Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Kasperaviciute, D., et al. Brain 133 (PT 7), 2136-2147 (2010) :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Zemunik, T., et al. Croat. Med. J. 50(1):23-33(2009)