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LYPD6 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP4908b

Specification

LYPD6 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q86Y78

LYPD6 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 130574

Other Names
Ly6/PLAUR domain-containing protein 6, LYPD6

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.

LYPD6 Antibody (C-term) Blocking Peptide - Protein Information

Name LYPD6

Function
Acts as a modulator of nicotinic acetylcholine receptors (nAChRs) function in the brain (PubMed:27344019, PubMed:34631692). Inhibits nicotine-induced Ca(2+) influx through nAChRs (PubMed:27344019). In vitro, specifically inhibits alpha-3:beta-4 and alpha-7 nAChR currents in an allosteric manner (PubMed:34631692). Acts as a positive regulator of Wnt/beta-catenin signaling (By similarity).

Cellular Location
Secreted. Cytoplasm. Cell membrane; Lipid-anchor, GPI-anchor Synapse, synaptosome {ECO:0000250|UniProtKB:D3ZTT2}. Membrane raft {ECO:0000250|UniProtKB:Q66IA6}. Cell projection, dendrite {ECO:0000250|UniProtKB:D3ZTT2}. Perikaryon {ECO:0000250|UniProtKB:D3ZTT2}. Note=Colocalizes with alpha-3:beta- 4- and alpha-7- nicotinic acetylcholine receptors (nAChRs) in the primary cortex and hippocampus. {ECO:0000250|UniProtKB:D3ZTT2}

Tissue Location

Detected in the temporal cortex (at protein level) (PubMed:25680266). Ubiquitous (PubMed:19653121). Highly expressed in brain and heart (PubMed:19653121).

LYPD6 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

LYPD6 Antibody (C-term) Blocking Peptide - Images

LYPD6 Antibody (C-term) Blocking Peptide - Background

Members of the LY6 protein family (see SLURP1; MIM 606119), such as LYPD6, have at least one 80-amino acid LU domain that contains 10 conserved cysteines with a defined disulfide-bonding pattern.

LYPD6 Antibody (C-term) Blocking Peptide - References

Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)