

LHFPL5 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10415b**Specification**

LHFPL5 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q8TAF8](#)
Other Accession [NP_872354.1](#)

LHFPL5 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 222662

Other Names

Tetraspan membrane protein of hair cell stereocilia, Lipoma HMGIC fusion partner-like 5 protein, LHFPL5, TMHS

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.

LHFPL5 Antibody (C-term) Blocking peptide - Protein Information

Name LHFPL5 ([HGNC:21253](#))

Function

In the inner ear, may be a component of the hair cell's mechanotransduction machinery that functionally couples PCDH15 to the transduction channel. Regulates transducer channel conductance and is required for fast channel adaptation (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q4KL25}; Multi-pass membrane protein. Note=Efficient localization to the plasma membrane requires the presence of PCDH15 {ECO:0000250|UniProtKB:Q4KL25}

LHFPL5 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

LHFPL5 Antibody (C-term) Blocking peptide - Images**LHFPL5 Antibody (C-term) Blocking peptide - Background**

This gene is a member of the lipoma HMGIC fusion partner(LHFP) gene family, which is a subset of the superfamily of tetraspan transmembrane protein encoding genes. Mutations in this gene result in deafness in humans, and a mutation in a similar gene in mice results in deafness and vestibular dysfunction with severe degeneration of the organ of Corti. It is proposed to function in hair bundle morphogenesis.

LHFPL5 Antibody (C-term) Blocking peptide - References

Cosetti, M., et al. Ann. Otol. Rhinol. Laryngol. 117(11):827-833(2008) Shabbir, M.I., et al. J. Med. Genet. 43(8):634-640(2006) Longo-Guess, C.M., et al. Proc. Natl. Acad. Sci. U.S.A. 102(22):7894-7899(2005)