

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

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**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)