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LHFPL5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10415b

Specification

LHFPL5 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q8TAF8
Other Accession	Q5PPI7, Q4KL25, NP_872354.1
Reactivity	**Human, Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**24201**
Antigen Region	**186-214**

LHFPL5 Antibody (C-term) - Additional Information

Gene ID 222662

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

Target/Specificity
This LHFPL5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 186-214 amino acids from the C-terminal region of human LHFPL5.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LHFPL5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LHFPL5 Antibody (C-term) - 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).

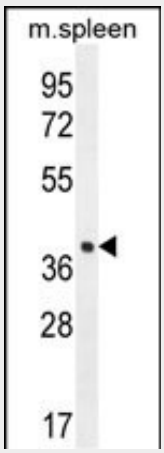
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q4KL25}; Multi-pass membrane protein. Note=Efficient localization to the plasma membrane requires the presence of PCDH15 {ECO:0000250|UniProtKB:Q4KL25}

LHFPL5 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LHFPL5 Antibody (C-term) - Images



LHFPL5 Antibody (C-term) (Cat. #AP10415b) western blot analysis in mouse spleen tissue lysates (35ug/lane).This demonstrates the LHFPL5 antibody detected the LHFPL5 protein (arrow).

LHFPL5 Antibody (C-term) - 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) - 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)