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REEP5 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18591b

Specification

REEP5 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q00765

REEP5 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7905

Other Names
Receptor expression-enhancing protein 5, Polyposis locus protein 1, Protein TB2, REEP5, C5orf18, DP1, TB2

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.

REEP5 Antibody (C-term) Blocking Peptide - Protein Information

Name REEP5

Synonyms C5orf18, DP1, TB2

Function
Plays an essential role in heart function and development by regulating the organization and function of the sarcoplasmic reticulum in cardiomyocytes.

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein. Sarcoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q60870}; Multi-pass membrane protein. Note=Localizes to endoplasmic reticulum tubular network (PubMed:23969831). In cardiomyocytes, localizes to the junctional sarcoplasmic reticulum membrane which is closely tethered to the cell membrane and contractile machinery (By similarity) {ECO:0000250|UniProtKB:Q60870, ECO:0000269|PubMed:23969831}

Tissue Location
Expressed in heart (at protein level) (PubMed:32075961). Expressed in circumvallate papillae and testis (PubMed:16720576).

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REEP5 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

REEP5 Antibody (C-term) Blocking Peptide - Images

REEP5 Antibody (C-term) Blocking Peptide - Background

REEP5 may promote functional cell surface expression of olfactory receptors.

REEP5 Antibody (C-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Lesch, K.P., et al. J Neural Transm 115(11):1573-1585(2008)Lamesch, P., et al. Genomics 89(3):307-315(2007)Shin, S.M., et al. Gastroenterology 130(7):2074-2086(2006)