10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

REEP5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18591b

Product Information

Application	WB, E
Primary Accession	Q00765
Other Accession	NP_005660.4
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38424
Calculated MW	21493
Antigen Region	141-169

Additional Information

Gene ID	7905
Other Names	Receptor expression-enhancing protein 5, Polyposis locus protein 1, Protein TB2, REEP5, C5orf18, DP1, TB2
Target/Specificity	This REEP5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 141-169 amino acids from the C-terminal region of human REEP5.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	REEP5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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).

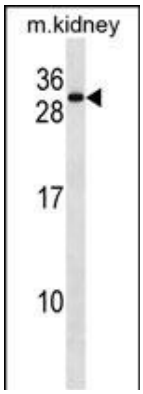
Background

REEP5 may promote functional cell surface expression of olfactory receptors.

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)

Images



REEP5 Antibody (C-term) (Cat. #AP18591b) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the REEP5 antibody detected the REEP5 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.