

# REEP5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18591b

## Product Information

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|--------------------------|-----------------------------|
| <b>Application</b>       | WB, E                       |
| <b>Primary Accession</b> | <a href="#">Q00765</a>      |
| <b>Other Accession</b>   | <a href="#">NP_005660.4</a> |
| <b>Reactivity</b>        | Human, Mouse                |
| <b>Host</b>              | Rabbit                      |
| <b>Clonality</b>         | Polyclonal                  |
| <b>Isotype</b>           | Rabbit IgG                  |
| <b>Clone Names</b>       | RB38424                     |
| <b>Calculated MW</b>     | 21493                       |
| <b>Antigen Region</b>    | 141-169                     |

## Additional Information

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|---------------------------|--|
| <b>Gene ID</b>            | 7905   |
| <b>Other Names</b>        | Receptor expression-enhancing protein 5, Polyposis locus protein 1, Protein TB2, REEP5, C5orf18, DP1, TB2  |
| <b>Target/Specificity</b> | 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.       |
| <b>Dilution</b>           | WB~~1:1000 E~~Use at an assay dependent concentration.   |
| <b>Format</b>             | 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. |
| <b>Storage</b>            | 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.                                      |
| <b>Precautions</b>        | REEP5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.  |

## Protein Information

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|-----------------|---|
| <b>Name</b>     | REEP5   |
| <b>Synonyms</b> | C5orf18, DP1, TB2   |
| <b>Function</b> | 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

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REEP5 may promote functional cell surface expression of olfactory receptors.

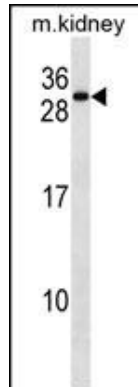
## References

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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

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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'.