

**RTP4 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10538b****Specification**

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**RTP4 Antibody (C-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">O96DX8</a>
Other Accession	<a href="#">NP_071430.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	186-215

**RTP4 Antibody (C-term) - Additional Information****Gene ID** 64108**Other Names**

Receptor-transporting protein 4, 28 kDa interferon-responsive protein, RTP4, IFRG28

**Target/Specificity**

This RTP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 186-215 amino acids from the C-terminal region of human RTP4.

**Dilution**

WB~~1:1000

FC~~1:10~50

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**

RTP4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**RTP4 Antibody (C-term) - Protein Information****Name** RTP4**Synonyms** IFRG28, Z3CXXC4

**Function** Chaperone protein that facilitates the trafficking and functional cell surface expression of some G-protein coupled receptors (GPCRs) (PubMed:[18836069](#)). Promotes functional expression of the bitter taste receptor TAS2R16 (PubMed:[16720576](#)). Also promotes functional expression of the opioid receptor heterodimer OPRD1-OPRM1 (By similarity). In addition, acts as a potent IFN-inducible suppressor of pathogens including lyssavirus rabies, influenza A or yellow fever virus (PubMed:[33113352](#)). Mechanistically, associates with the viral replicase, binds viral RNA, and thereby suppresses viral genome amplification that replicates at the endoplasmic reticulum (By similarity). In addition, restores antiviral signaling by interacting with and sequestering influenza A virus protein NS1 (PubMed:[39798334](#)).

#### Cellular Location

Membrane; Single-pass type III membrane protein. Cytoplasm

#### Tissue Location

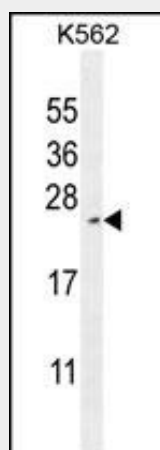
Expressed in circumvallate papillae and testis.

### RTP4 Antibody (C-term) - Protocols

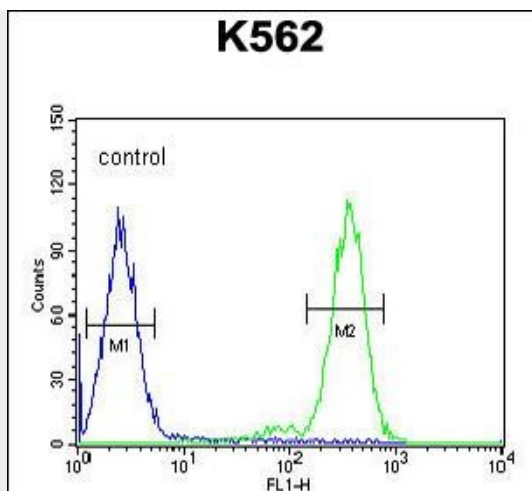
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### RTP4 Antibody (C-term) - Images



RTP4 Antibody (C-term) (Cat. #AP10538b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the RTP4 antibody detected the RTP4 protein (arrow).



RTP4 Antibody (C-term) (Cat. #AP10538b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control(left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **RTP4 Antibody (C-term) - Background**

RTP4 belongs to the TMEM7 family. The function of this protein remains unknown.

#### **RTP4 Antibody (C-term) - References**

Behrens, M., et al. J. Biol. Chem. 281(29):20650-20659(2006)  
Clark, A.J., et al. Trends Endocrinol. Metab. 16(10):451-457(2005)  
Saito, H., et al. Cell 119(5):679-691(2004)