

**RTP4 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54568****Specification****RTP4 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q96DX8</a>
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RTP4
Epitope Specificity	141-246/246
Isotype	IgG
<b>Purity</b>	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type III membrane protein
SIMILARITY	Belongs to the TMEM7 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**RTP4 Polyclonal Antibody - Additional Information****Gene ID** 64108**Other Names**

Receptor-transporting protein 4, 28 kDa interferon-responsive protein, 3CxxC-type zinc finger protein 4, RTP4, IFRG28, Z3CXXC4

**Dilution**

<span class ="dilution\_WB">WB~~1:1000</span><br /><span class ="dilution\_IHC-P">IHC-P~~N/A</span><br /><span class ="dilution\_IHC-F">IHC-F~~N/A</span><br /><span class ="dilution\_IF">IF~~1:50~200</span><br /><span class ="dilution\_ICC">ICC~~N/A</span><br /><span class ="dilution\_E">E~~N/A</span>

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**RTP4 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/18836069" target="\_blank">18836069</a>). Promotes functional expression of the bitter taste receptor TAS2R16 (PubMed:<a href="http://www.uniprot.org/citations/16720576" target="\_blank">16720576</a>). 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:<a href="http://www.uniprot.org/citations/33113352" target="\_blank">33113352</a>). 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:<a href="http://www.uniprot.org/citations/39798334" target="\_blank">39798334</a>).

**Cellular Location**

Membrane; Single-pass type III membrane protein. Cytoplasm

**Tissue Location**

Expressed in circumvallate papillae and testis.

**RTP4 Polyclonal Antibody - 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 Polyclonal Antibody - Images**