

RTP4 Rabbit pAb

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Catalog # AP54568

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96DX8
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27863
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RTP4
Epitope Specificity	141-246/246
Isotype	IgG
Purity	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
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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.

Background

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