

RTP3 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13682a**Specification**

RTP3 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q9BQQ7](#)

RTP3 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 83597

Other Names

Receptor-transporting protein 3, Transmembrane protein 7, RTP3, TMEM7

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13682a was selected from the N-term region of RTP3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RTP3 Antibody (N-term) Blocking peptide - Protein Information

Name RTP3

Synonyms TMEM7, Z3CXXC3

Function

Promotes functional cell surface expression of the bitter taste receptors TAS2R16 and TAS2R43.

Cellular Location

Membrane; Single-pass type III membrane protein

Tissue Location

Expressed predominantly in adult liver (PubMed:11896456, PubMed:17693185). Expressed in testis (PubMed:16720576, PubMed:17693185). Also expressed in kidney, lung and fetal liver (PubMed:17693185). Low levels in heart, thyroid, adrenal gland, pancreas, ovary, prostate, skin, plasma leukocytes, bone marrow and fetal brain (PubMed:17693185). Not detected in brain, spleen, colon, small intestine, skeletal muscle, stomach, placenta, salivary gland and uterus

(PubMed:17693185).

RTP3 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RTP3 Antibody (N-term) Blocking peptide - Images

RTP3 Antibody (N-term) Blocking peptide - Background

The function of this protein remains unknown.

RTP3 Antibody (N-term) Blocking peptide - References

Zhao, L.J., et al. J. Bone Miner. Res. 25(2):320-329(2010)Zhou, X., et al. Cancer Genet. Cytogenet. 177(1):6-15(2007)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)