

**TAS2R1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12981b****Specification**

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**TAS2R1 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q9NYW7](#)

**TAS2R1 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 50834

**Other Names**

Taste receptor type 2 member 1, T2R1, Taste receptor family B member 7, TRB7, TAS2R1

**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.

**TAS2R1 Antibody (C-term) Blocking peptide - Protein Information**

**Name** TAS2R1

**Function**

Receptor that may play a role in the perception of bitterness and is gustducin-linked. May play a role in sensing the chemical composition of the gastrointestinal content. The activity of this receptor may stimulate alpha gustducin, mediate PLC-beta-2 activation and lead to the gating of TRPM5.

**Cellular Location**

Membrane; Multi-pass membrane protein.

**Tissue Location**

Expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells

**TAS2R1 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **TAS2R1 Antibody (C-term) Blocking peptide - Images**

#### **TAS2R1 Antibody (C-term) Blocking peptide - Background**

This gene encodes a member of a family of candidate tastereceptors that are members of the G protein-coupled receptorsuperfamily and that are specifically expressed by taste receptorcells of the tongue and palate epithelia. This intronless tastereceptor gene encodes a 7-transmembrane receptor protein,functioning as a bitter taste receptor. This gene is mapped tochromosome 5p15, the location of a genetic locus (PROP) thatcontrols the detection of the bitter compound6-n-propyl-2-thiouracil.

#### **TAS2R1 Antibody (C-term) Blocking peptide - References**

Upadhyaya, J., et al. Biochem. Biophys. Res. Commun. 398(2):331-335(2010)Weiss, L.A., et al. Nature 461(7265):802-808(2009)Go, Y., et al. Genetics 170(1):313-326(2005)Fischer, A., et al. Mol. Biol. Evol. 22(3):432-436(2005)Zhang, Y., et al. Cell 112(3):293-301(2003)