

TAS2R7 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16822b**Specification**

TAS2R7 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q9NYW3](#)

TAS2R7 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 50837

Other Names

Taste receptor type 2 member 7, T2R7, Taste receptor family B member 4, TRB4, TAS2R7

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.

TAS2R7 Antibody (C-term) Blocking Peptide - Protein Information

Name TAS2R7

Function

Gustducin-coupled receptor implicated in the perception of bitter compounds in the oral cavity and the gastrointestinal tract. Signals through PLCB2 and the calcium-regulated cation channel 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

TAS2R7 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TAS2R7 Antibody (C-term) Blocking Peptide - Images

TAS2R7 Antibody (C-term) Blocking Peptide - Background

This gene product belongs to the family of candidate tastereceptors that are members of the G-protein-coupled receptorsuperfamily. These proteins are specifically expressed in the tastereceptor cells of the tongue and palate epithelia. They areorganized in the genome in clusters and are genetically linked toloci that influence bitter perception in mice and humans. Infunctional expression studies, they respond to bitter tastants.This gene maps to the taste receptor gene cluster on chromosome12p13.

TAS2R7 Antibody (C-term) Blocking Peptide - References

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)Montmayeur, J.P., et al. Curr. Opin. Neurobiol. 12(4):366-371(2002)Margolskee, R.F. J. Biol. Chem. 277(1):1-4(2002)