

**TAS2R10 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17340c****Specification**

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**TAS2R10 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q9NYW0](#)

**TAS2R10 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 50839

**Other Names**

Taste receptor type 2 member 10, T2R10, Taste receptor family B member 2, TRB2, TAS2R10

**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.

**TAS2R10 Antibody (Center) Blocking Peptide - Protein Information**

**Name** TAS2R10

**Function**

Gustducin-coupled strychnine 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

**TAS2R10 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**TAS2R10 Antibody (Center) Blocking Peptide - Images****TAS2R10 Antibody (Center) 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.

**TAS2R10 Antibody (Center) Blocking Peptide - References**

Go, Y., et al. Genetics 170(1):313-326(2005)Mueller, K.L., et al. Nature 434(7030):225-229(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)