

TAS1R1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16553c**Specification**

TAS1R1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q7RTX1](#)

TAS1R1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 80835

Other Names

Taste receptor type 1 member 1, G-protein coupled receptor 70, TAS1R1, GPR70, T1R1, TR1

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.

TAS1R1 Antibody (Center) Blocking Peptide - Protein Information

Name TAS1R1

Synonyms GPR70, T1R1, TR1

Function

Putative taste receptor. TAS1R1/TAS1R3 responds to the umami taste stimulus (the taste of monosodium glutamate). Sequence differences within and between species can significantly influence the selectivity and specificity of taste responses.

Cellular Location

Cell membrane; Multi-pass membrane protein.

TAS1R1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TAS1R1 Antibody (Center) Blocking Peptide - Images

TAS1R1 Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene is a G protein-coupled receptor and is a component of the heterodimeric amino acid tastereceptor T1R1+3. The T1R1+3 receptor responds to L-amino acids but not to D-enantiomers or other compounds. Most amino acids that are perceived as sweet activate T1R1+3, and this activation is strictly dependent on an intact T1R1+3 heterodimer. Multiple transcript variants encoding different isoforms have been found for this gene.

TAS1R1 Antibody (Center) Blocking Peptide - References

Fushan, A.A., et al. Chem. Senses 35(7):579-592(2010)Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :Prezeau, L., et al. Curr Opin Pharmacol 10(1):6-13(2010)Chandrashekar, J., et al. Nature 444(7117):288-294(2006)Xu, H., et al. Proc. Natl. Acad. Sci. U.S.A. 101(39):14258-14263(2004)