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TAS1R3 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP16368a

Specification

TAS1R3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q7RTX0

TAS1R3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 83756

Other Names
Taste receptor type 1 member 3, Sweet taste receptor T1R3, TAS1R3, T1R3, TR3

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.

TAS1R3 Antibody (N-term) Blocking Peptide - Protein Information

Name TAS1R3

Synonyms T1R3, TR3

Function
Putative taste receptor. TAS1R1/TAS1R3 responds to the umami taste stimulus (the taste of monosodium glutamate). TAS1R2/TAS1R3 recognizes diverse natural and synthetic sweeteners. TAS1R3 is essential for the recognition and response to the disaccharide trehalose (By similarity). Sequence differences within and between species can significantly influence the selectivity and specificity of taste responses.

Cellular Location
Cell membrane; Multi-pass membrane protein.

TAS1R3 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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TAS1R3 Antibody (N-term) Blocking Peptide - Images

TAS1R3 Antibody (N-term) Blocking Peptide - Background

The TAS1R3 gene encodes the human homolog of mouse Sac, amajor determinant of differences between sweet-sensitive and-insensitive mouse strains in their responsiveness to sucrose,saccharine, and other sweeteners (Max et al., 2001 [PubMed11326277]).

TAS1R3 Antibody (N-term) Blocking Peptide - References

Assadi-Porter, F.M., et al. J. Mol. Biol. 398(4):584-599(2010)Assadi-Porter, F.M., et al. Biochim. Biophys. Acta 1798(2):82-86(2010)Chen, Q.Y., et al. Am. J. Clin. Nutr. 90 (3), 770S-779S (2009) :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)