10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

T1R3 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2840a

Specification

T1R3 Antibody (internal region) - Product Information

Application	**E**
Primary Accession	Q7RTX0
Other Accession	NP_689414.1, 83756
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**93386**

T1R3 Antibody (internal region) - Additional Information

Gene ID 83756

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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
T1R3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

T1R3 Antibody (internal region) - 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.

T1R3 Antibody (internal region) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

T1R3 Antibody (internal region) - Images

T1R3 Antibody (internal region) - References

Detection of sweet and umami taste in the absence of taste receptor T1r3. Damak S, Rong M, Yasumatsu K, Kokrashvili Z, Varadarajan V, Zou S, Jiang P, Ninomiya Y, Margolskee RF. Science. 2003 Aug 8;301(5634):850-3. PMID: 12869700