

T1R3 / TAS1R3 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10803**Specification**

T1R3 / TAS1R3 Antibody (N-Terminus) - Product Information

Application	WB, IHC-P
Primary Accession	Q7RTX0
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	93kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A

T1R3 / TAS1R3 Antibody (N-Terminus) - Additional Information**Gene ID** 83756**Other Names**

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

Target/Specificity

Human TAS1R3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

T1R3 / TAS1R3 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

T1R3 / TAS1R3 Antibody (N-Terminus) - 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.

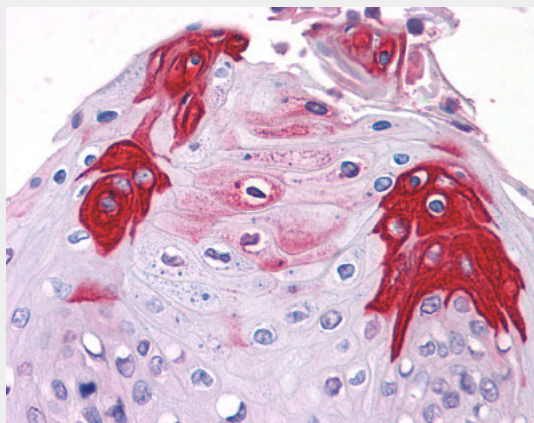
Volume
50 µl

T1R3 / TAS1R3 Antibody (N-Terminus) - Protocols

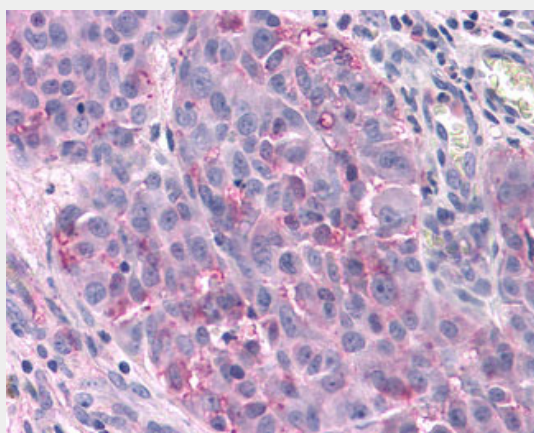
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

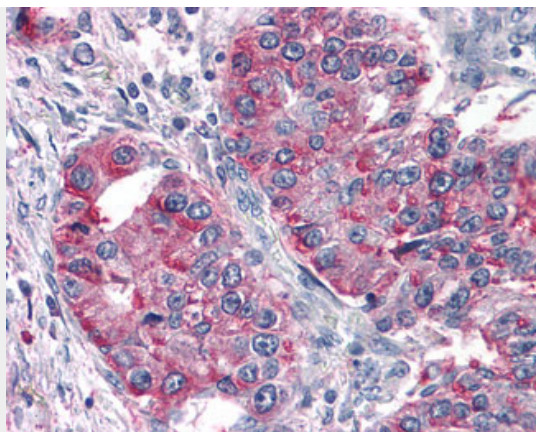
T1R3 / TAS1R3 Antibody (N-Terminus) - Images



Anti-TAS1R3 antibody ALS10803 IHC of human tongue, taste receptor.



Anti-T1R3 / TAS1R3 antibody IHC of human Skin, Melanoma.



Anti-T1R3 / TAS1R3 antibody IHC of human Lung, Non-Small Cell Carcinoma.

T1R3 / TAS1R3 Antibody (N-Terminus) - Background

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.

T1R3 / TAS1R3 Antibody (N-Terminus) - References

Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).
Li X.,et al.Proc. Natl. Acad. Sci. U.S.A. 99:4692-4696(2002).
Ariyasu T.,et al.In Vitro Cell. Dev. Biol. Anim. 39:80-88(2003).
Jiang P.,et al.J. Biol. Chem. 279:45068-45075(2004).