



## Rabbit Anti-TAS2R7 antibody

SL11615R

<b>Product Name:</b>	TAS2R7
<b>Chinese Name:</b>	味觉受体蛋白家族2亚基7抗体
<b>Alias:</b>	STC7 4; T2R30; T2R6; T2R7; TA2R7_HUMAN; Tas2r130; Tas2r6; TAS2R7; Taste receptor family B member 4; Taste receptor type 2 member 7; TRB4.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	37kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human TAS2R7/T2R7:121-220/318<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The sense of taste provides animals with valuable information about the quality and nutritional value of food. A family of G protein-coupled receptors are involved in taste perception and include T1R, which is involved in sweet and umami taste perception, and T2R, which is involved in bitter taste perception. Both types of taste receptors couple to various G proteins to initiate signal transduction cascades. Single taste

receptor cells express a variety of T2Rs, suggesting that each cell is capable of recognizing multiple tastants. T2R6 (also designated T2R30, mt2r42, STC 7-4 or taste receptor, type 2, member 130) is an integral membrane receptor protein in mice that may play a role in the perception of bitterness and in sensing the chemical composition of the gastrointestinal content. The activity of this receptor may stimulate Alpha-gustducin, mediate PLC-Beta-2 activation and lead to the gating of TRPM5. T2R6 is expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells. The human homolog of T2R6, designated T2R7 (TAS2R7, TRB4 or taste receptor, type 2, member 7) is a G protein-coupled receptor expressed in taste receptor cells of the tongue and palate epithelia.

**Function:**

Gustducin-coupled 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.

**Subcellular Location:**

Membrane; Multi-pass membrane protein.

**Tissue Specificity:**

Expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells.

**Similarity:**

Belongs to the G-protein coupled receptor T2R family.

**SWISS:**

Q9NYW3

**Gene ID:**

50837

**Database links:**

[Entrez Gene: 50837](#) Human

[Entrez Gene: 387355](#) Mouse

[Entrez Gene: 690334](#) Rat

[SwissProt: Q9NYW3](#) Human

[SwissProt: P59530](#) Mouse

[SwissProt: Q9JKE9](#) Rat

[Unigene: 533754](#) Human

[Unigene: 377916](#) Mouse

[Unigene: 134167](#) Rat

[Omim: 604793](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)