



Rabbit Anti-TAS2R49 antibody

SL11789R

Product Name:	TAS2R49
Chinese Name:	味觉2型受体蛋白家族49抗体
Alias:	T2R20; T2R20_HUMAN; T2R49; T2R56; TAS2R20; Taste receptor type 2 member 20; Taste receptor type 2 member 49; Taste receptor type 2 member 56
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	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.
Molecular weight:	35kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TAS2R49:111-210/309<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	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. T2R49 plays a role

in sensing the chemical composition of the gastrointestinal content. T2R49 is expressed in subsets of taste receptor cells of the tongue and exclusively in gustducin-positive cells.

Function:

Receptor that may play a role in the perception of bitterness and is gustducin-linked. May play a role 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.

Subcellular Location:

Membrane; Multi-pass membrane protein.

Tissue Specificity:

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

Similarity:

Belongs to the G-protein coupled receptor T2R family.

SWISS:

P59543

Gene ID:

259295

Database links:

[Entrez Gene: 493898](#)Chimpanzee

[Entrez Gene: 259295](#)Human

[Ommim: 613962](#)Human

[SwissProt: Q646G1](#)Baboon

[SwissProt: Q646C2](#)Chimpanzee

[SwissProt: Q646A0](#)Gorilla

[SwissProt: P59543](#)Human

[SwissProt: Q645V6](#)Orangutan

[Unigene: 686384](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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