

## T2R49 Polyclonal Antibody

<b>Catalog No :</b>	YT4513
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	T2R49
<b>Fields :</b>	>>Taste transduction
<b>Gene Name :</b>	TAS2R20
<b>Protein Name :</b>	Taste receptor type 2 member 20
<b>Human Gene Id :</b>	259295
<b>Human Swiss Prot No :</b>	P59543
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human TAS2R49. AA range:94-143
<b>Specificity :</b>	T2R49 Polyclonal Antibody detects endogenous levels of T2R49 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	38kD

**Cell Pathway :** Taste transduction;

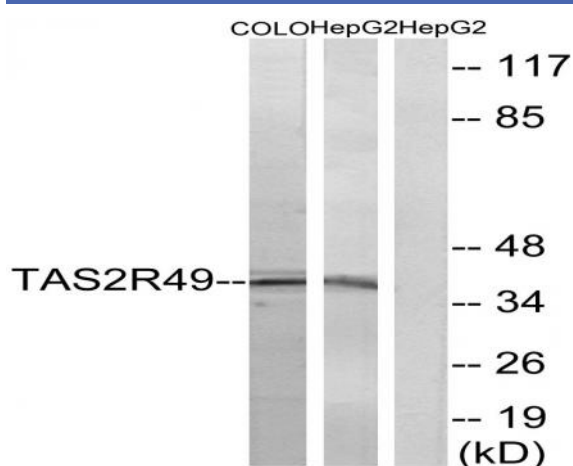
**Background :** This gene encodes a member of the taste receptor two family of class C G-protein coupled receptors. Receptors of this family have a short extracellular N-terminus, seven transmembrane helices, three extracellular loops and three intracellular loops, and an intracellular C-terminus. Members of this family are expressed in a subset of taste receptor cells, where they function in bitter taste reception, as well as in non-gustatory cells including those of the brain, reproductive organs, respiratory system, and gastrointestinal system. This gene maps to the taste receptor gene cluster on chromosome 12p13. [provided by RefSeq, Jul 2016],

**Function :** 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.,miscellaneous:Most taste cells may be activated by a limited number of bitter compounds; individual taste cells can discriminate among bitter stimuli.,similarity:Belongs to the G-protein coupled receptor T2R family.,tissue specificity:Expressed in subsets of taste receptor cells of the tongue and exclusively in gustducin-positive cells.,

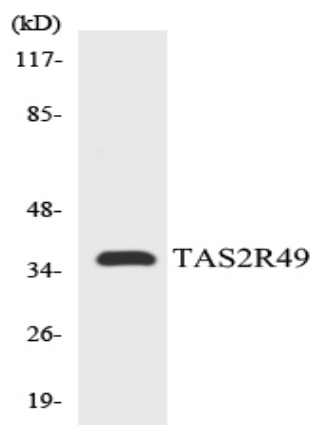
**Subcellular Location :** Membrane; Multi-pass membrane protein.

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

## Products Images



Western blot analysis of lysates from COLO and HepG2 cells, using TAS2R49 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using TAS2R49 antibody.