

## T2R43 Polyclonal Antibody

<b>Catalog No :</b>	YT4510
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	T2R43
<b>Fields :</b>	>>Taste transduction
<b>Gene Name :</b>	TAS2R43
<b>Protein Name :</b>	Taste receptor type 2 member 43
<b>Human Gene Id :</b>	259289
<b>Human Swiss Prot No :</b>	P59537
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human TAS2R43. AA range:124-173
<b>Specificity :</b>	T2R43 Polyclonal Antibody detects endogenous levels of T2R43 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. 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>	35kD

**Cell Pathway :** Taste transduction;

**Background :** TAS2R43 belongs to the large TAS2R receptor family. TAS2Rs are expressed on the surface of taste receptor cells and mediate the perception of bitterness through a G protein-coupled second messenger pathway (Conte et al., 2002 [PubMed 12584440]). For further information on TAS2Rs, see MIM 604791.[supplied by OMIM, Mar 2009],

**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 (By similarity). Activated by the sulfonyl amide sweeteners saccharin and acesulfame K.,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.,

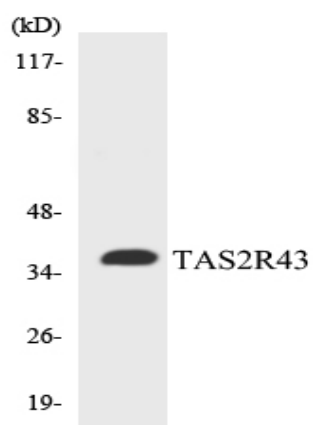
**Subcellular Location :** Membrane ; Multi-pass membrane protein . Cell projection, cilium membrane . In airway epithelial cells, localizes to motile cilia.

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

## Products Images



Western blot analysis of TAS2R43 Antibody. The lane on the right is blocked with the TAS2R43 peptide.



Western blot analysis of the lysates from COLO205 cells using TAS2R43 antibody.