

## T2R16 Polyclonal Antibody

<b>Catalog No :</b>	YT4507
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	T2R16
<b>Fields :</b>	>>Taste transduction
<b>Gene Name :</b>	TAS2R16
<b>Protein Name :</b>	Taste receptor type 2 member 16
<b>Human Gene Id :</b>	50833
<b>Human Swiss Prot No :</b>	Q9NYV7
<b>Mouse Swiss Prot No :</b>	P59529
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human TAS2R16. AA range:136-185
<b>Specificity :</b>	T2R16 Polyclonal Antibody detects endogenous levels of T2R16 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)

**Observed Band :** 34kD

**Cell Pathway :** Taste transduction;

**Background :** This gene encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily. These family members are specifically expressed by taste receptor cells of the tongue and palate epithelia. Each of these apparently intronless genes encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is clustered with another 3 candidate taste receptor genes in chromosome 7 and is genetically linked to loci that influence bitter perception. [provided by RefSeq, Jul 2008],

**Function :** 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.,miscellaneous:Confers bitter perception of salicin to non-taster mice.,miscellaneous:Several bitter taste receptors are expressed in a single taste receptor cell.,polymorphism:The Lys-172 polymorphism in TAS2R16 is associated with genetic susceptibility to alcoholism [MIM:103780].,similarity:Belongs to the G-protein coupled receptor T2R family.,tissue specificity:Expressed in a subset of gustducin-positive taste receptor cells of the tongue.,

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

**Expression :** Expressed in a subset of gustducin-positive taste receptor cells of the tongue. Expressed in circumvallate papillae and testis (PubMed:16720576).

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