

## **T2R16 Polyclonal Antibody**

Catalog No: YT4507

**Reactivity:** Human; Rat; Mouse;

**Applications:** WB;IF;ELISA

Target: T2R16

**Fields:** >>Taste transduction

Gene Name: TAS2R16

**Protein Name:** Taste receptor type 2 member 16

Human Gene Id: 50833

**Human Swiss Prot** 

Q9NYV7

P59529

No:

**Mouse Swiss Prot** 

No:

Immunogen:

The antiserum was produced against synthesized peptide derived from human

TAS2R16. AA range:136-185

**Specificity:** T2R16 Polyclonal Antibody detects endogenous levels of T2R16 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other

applications.

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -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:** 

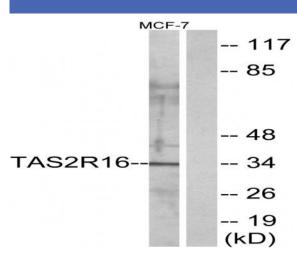
function:Gustducin-coupled receptor implicated in the perception of bitter compounds in the oral cavity and the gastrointestinal tract. Signals through PLCB2 and the calcium-regulated cation channel TRPM5.,miscellaneous:Confers bitter perception of salicin to non-taster mice.,miscellaneous:Several bitter 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).

## **Products Images**



Western blot analysis of lysates from MCF-7 cells, using TAS2R16 Antibody. The lane on the right is blocked with the synthesized peptide.