

## **T2R7 Polyclonal Antibody**

Catalog No: YT4515

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

**Applications:** WB;IF;ELISA

Target: T2R7

**Fields:** >>Taste transduction

Gene Name: TAS2R7

**Protein Name:** Taste receptor type 2 member 7

Human Gene Id: 50837

**Human Swiss Prot** 

ot Q9NYW3

P59530

No:

Mouse Swiss Prot

No:

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

TAS2R7. AA range:47-96

**Specificity:** T2R7 Polyclonal Antibody detects endogenous levels of T2R7 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)

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Observed Band: 36kD

**Cell Pathway :** Taste transduction;

**Background:** This gene product belongs to the family of candidate taste receptors that are

members of the G-protein-coupled receptor superfamily. These proteins are specifically expressed in the taste receptor cells of the tongue and palate epithelia. They are organized in the genome in clusters and are genetically linked to loci that influence bitter perception in mice and humans. In functional

expression studies, they respond to bitter tastants. This gene maps to the taste

receptor gene cluster on chromosome 12p13. [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:Several

bitter taste receptors are expressed in a single taste receptor

cell., similarity: Belongs to the G-protein coupled receptor T2R family., tissue specificity: Expressed in subsets of taste receptor cells of the tongue and palate

epithelium and exclusively in gustducin-positive cells.,

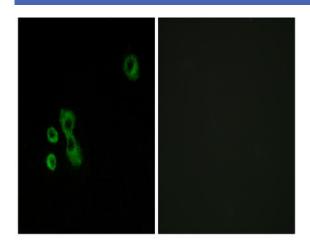
**Subcellular Location**:

Membrane; Multi-pass membrane protein.

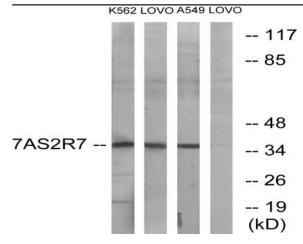
**Expression:** Expressed in subsets of taste receptor cells of the tongue and palate epithelium

and exclusively in gustducin-positive cells.

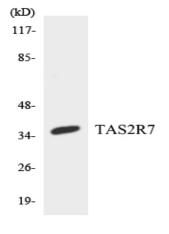
## **Products Images**



Immunofluorescence analysis of MCF7 cells, using TAS2R7 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562, LOVO, and A549 cells, using TAS2R7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using TAS2R7 antibody.