Best Tools for immunology Research

# T2R3 Polyclonal Antibody

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|---|---|
| **Catalog No :** | YT4508 |
| **Reactivity :** | Human;Rat;Mouse; |
| **Applications :** | IF;ELISA |
| **Target :** | T2R3 |
| **Fields :** | >>Taste transduction |
| **Gene Name :** | TAS2R3 |
| **Protein Name :** | Taste receptor type 2 member 3 |
| **Human Gene Id :** | 50831 |
| **Human Swiss Prot No :** | Q9NYW6 |
| **Mouse Swiss Prot No :** | Q7TQA7 |
| **Immunogen :** | The antiserum was produced against synthesized peptide derived from human TAS2R3. AA range:140-189 |
| **Specificity :** | T2R3 Polyclonal Antibody detects endogenous levels of T2R3 protein. |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Polyclonal, Rabbit,IgG |
| **Dilution :** | 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) |

**Molecularweight :** 36kD

**Cell Pathway :** Taste transduction;

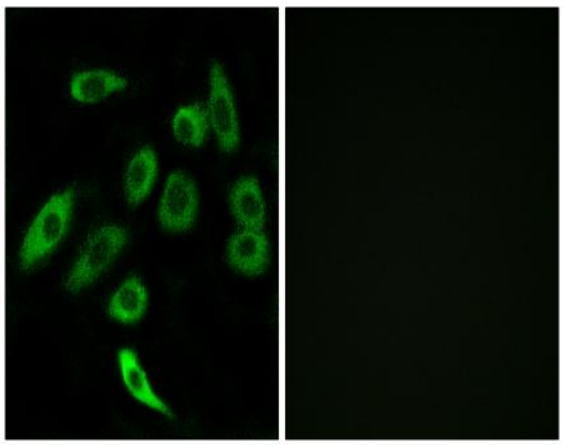
**Background :** This gene encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily and that are specifically expressed by taste receptor cells of the tongue and palate epithelia. These apparently intronless taste receptor genes encode a 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: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. Expressed in the antrum and fundus (part of the stomach), duodenum and in gastric endocrine 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. Expressed in the antrum and fundus (part of the stomach), duodenum and in gastric endocrine cells.

## Products Images



Immunofluorescence analysis of A549 cells, using TAS2R3 Antibody. The picture on the right is blocked with the synthesized peptide.