

T2R3 Polyclonal Antibody

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;

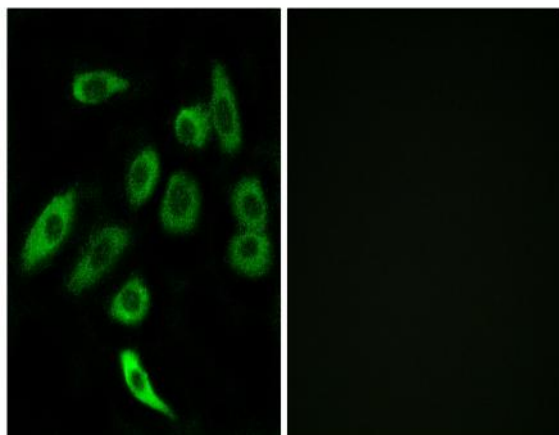
Background : This gene encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily and that are specifically expressed by taste receptor cells of the tongue and palate epithelia. These apparently intronless taste receptor genes encode a 7-transmembrane 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.