Product Name: T2R3 Rabbit Polyclonal Antibody
Catalog #: APRab18562

Summary

Production Name	T2R3 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	TAS2R3
Alternative Names	TAS2R3; Taste receptor type 2 member 3; T2R3
Gene ID	50831.0
SwissProt ID	Q9NYW6.The antiserum was produced against synthesized peptide derived from human TAS2R3. AA range:140-189

Application

Dilution Ratio	IF 1:200-1:1000. ELISA: 1:20000.
Molecular Weight	

Background

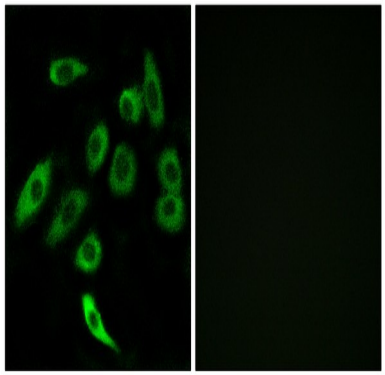
This gene encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor

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: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.,

Research Area

Taste transduction;

Image Data



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

Note

For research use only.