

Product Name: T2R3 Rabbit Polyclonal Antibody
Catalog #: APRab18562



Summary

Production Name	T2R3 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF-P,IF-F,ICC/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% protective protein 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-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:20000. Not yet tested in other applications.
Molecular Weight	

Background

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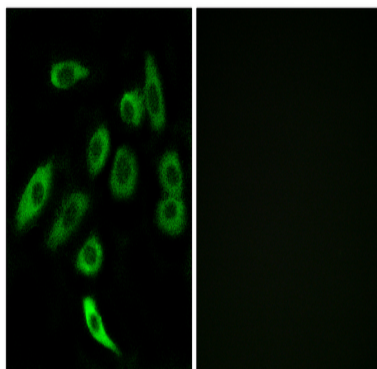


This gene encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily and that are specifically expressed by taste receptor cells of the tongue and palate epithelia. These apparently intronless taste receptor genes encode a 7-transmembrane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