

Product Name: T2R7 Rabbit Polyclonal Antibody
Catalog #: APRab18578



Summary

Production Name	T2R7 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF, WB, 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	TAS2R7
Alternative Names	TAS2R7; Taste receptor type 2 member 7; T2R7; Taste receptor family B member 4; TRB4
Gene ID	50837.0
SwissProt ID	Q9NYW3. The antiserum was produced against synthesized peptide derived from human TAS2R7. AA range: 47-96

Application

Dilution Ratio	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Molecular Weight	36kD

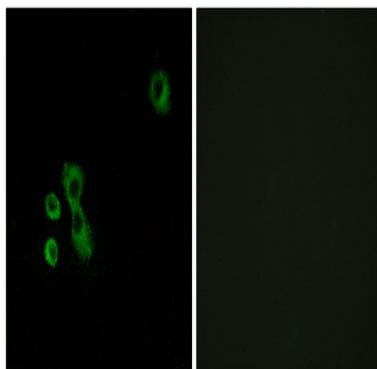
Background

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: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.,

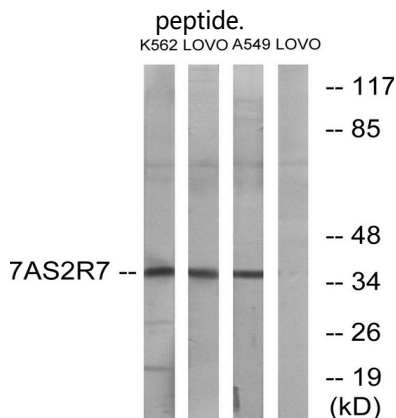
Research Area

Taste transduction;

Image Data



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



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

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with the synthesized peptide.



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

Note

For research use only.