Product Name: T2R14 Rabbit Polyclonal Antibody
Catalog #: APRab18560

Summary

Production Name	T2R14 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,WB,
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	TAS2R14
Alternative Names	TAS2R14; Taste receptor type 2 member 14; T2R14; Taste receptor family B member 1; TRB1
Gene ID	50840.0
SwissProt ID	Q9NYV8.The antiserum was produced against synthesized peptide derived from human TAS2R14. AA range:229-278

Application

Dilution Ratio	WB 1:500 - 1:2000. IF 1:200 - 1:1000.
Molecular Weight	38kD

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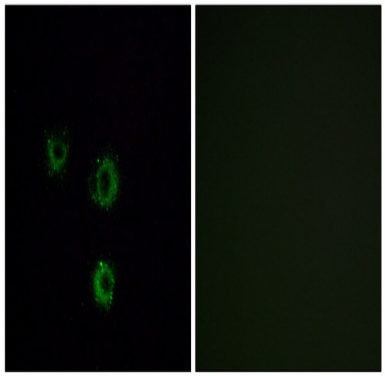
Background

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:Receptor that may play a role in the perception of bitterness and is gustducin-linked. May play a role in sensing the chemical composition of the gastrointestinal content. The activity of this receptor may stimulate alpha gustducin, mediate PLC-beta-2 activation and lead to the gating of TRPM5.,miscellaneous:Most taste cells may be activated by a limited number of bitter compounds; individual taste cells can discriminate among bitter stimuli.,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.,

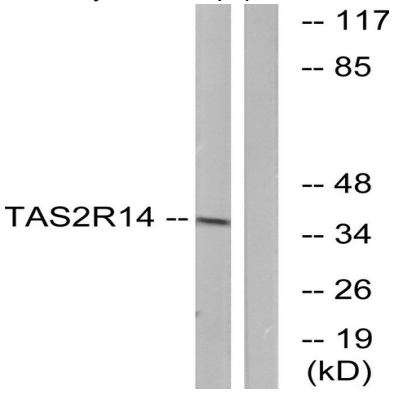
Research Area

Taste transduction;

Image Data



Immunofluorescence analysis of MCF7 cells, using TAS2R14 Antibody. The picture on the right is blocked with the synthesized peptide.



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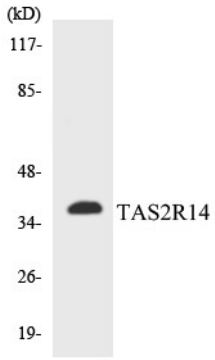
Western blot analysis of lysates from MCF-7 cells, using TAS2R14 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using TAS2R14 antibody.

Note

For research use only.