Product Name: T2R1 Rabbit Polyclonal Antibody
Catalog #: APRab18557

Summary

Production Name	T2R1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	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	TAS2R1
Alternative Names	TAS2R1; Taste receptor type 2 member 1; T2R1; Taste receptor family B member 7; TRB7
Gene ID	50834.0
SwissProt ID	Q9NYW7.The antiserum was produced against synthesized peptide derived from human TAS2R1. AA range:6-55

Application

Dilution Ratio	WB 1:500-2000 ELISA 2000-20000
Molecular Weight	33kD

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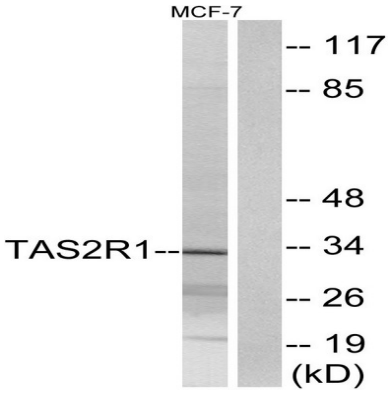
Background

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. This intronless taste receptor gene encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is mapped to chromosome 5p15, the location of a genetic locus (PROP) that controls the detection of the bitter compound 6-n-propyl-2-thiouracil. [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.,

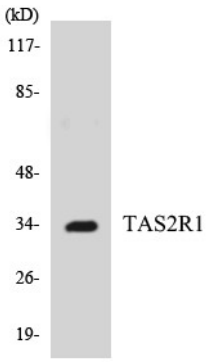
Research Area

Taste transduction;

Image Data



Western blot analysis of lysates from MCF-7 cells, using TAS2R1 Antibody. The lane on the right is blocked with the synthesized peptide.



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Western blot analysis of the lysates from K562 cells using TAS2R1 antibody.

Note

For research use only.