Product Name: T2R5 Rabbit Polyclonal Antibody
Catalog #: APRab18575
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:10000
Molecular Weight	35kDa

Antigen Information

Gene Name	TAS2R5
Alternative Names	TAS2R5; Taste receptor type 2 member 5; T2R5
Gene ID	54429.0
SwissProt ID	Q9NYW4
Immunogen	The antiserum was produced against synthesized peptide derived from human TAS2R5. AA range:178-227

Background

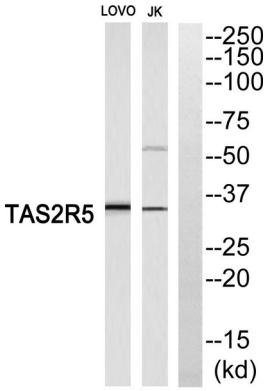
This gene encodes a bitter taste receptor; bitter taste receptors are members of the G protein-coupled receptor superfamily

and are specifically expressed by taste receptor cells of the tongue and palate epithelia. Each of these apparently intronless taste receptor genes encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is clustered with another 3 candidate taste receptor genes on chromosome 7 and is genetically linked to loci that influence bitter perception. [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.,

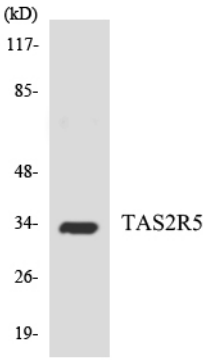
Research Area

Taste transduction;

Image Data



Western blot analysis of TAS2R5 Antibody. The lane on the right is blocked with the TAS2R5 peptide.



Western blot analysis of the lysates from HepG2 cells using TAS2R5 antibody.