Best Tools for immunology Research

T2R39 Polyclonal Antibody

Catalog No :	YT4509
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IF;ELISA
Target :	T2R39
Fields :	>>Taste transduction
Gene Name :	TAS2R39
Protein Name :	Taste receptor type 2 member 39
Human Gene Id :	259285
Human Swiss Prot No :	P59534
Mouse Swiss Prot No :	Q7TQA5
Immunogen :	The antiserum was produced against synthesized peptide derived from human TAS2R39. AA range:218-267
Specificity :	T2R39 Polyclonal Antibody detects endogenous levels of T2R39 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 36kD

Cell Pathway : Taste transduction;

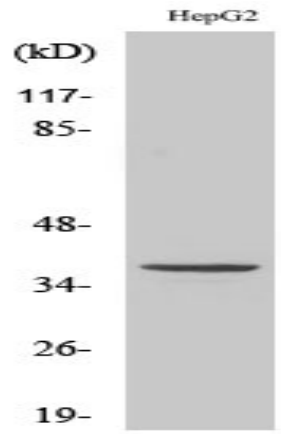
Background : The protein encoded by this gene is a bitter taste receptor that detects green tea catechins, soy isoflavones, and theaflavins. The encoded protein is gustducin-linked and may activate alpha gustducin. This gene is intronless. [provided by RefSeq, Dec 2015],

Function : 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 exclusively in gustducin-positive cells.,

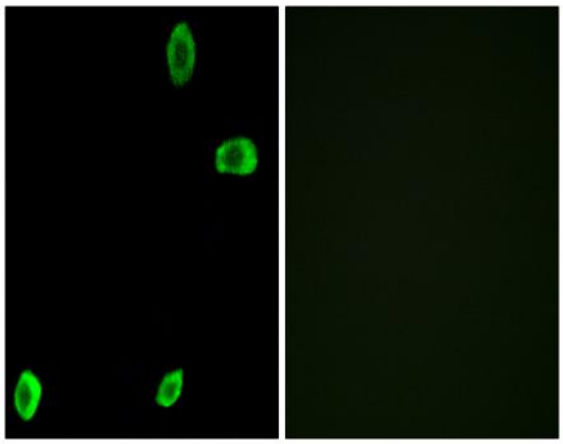
Subcellular Location : Membrane; Multi-pass membrane protein.

Expression : Expressed in subsets of taste receptor cells of the tongue and exclusively in gustducin-positive cells.

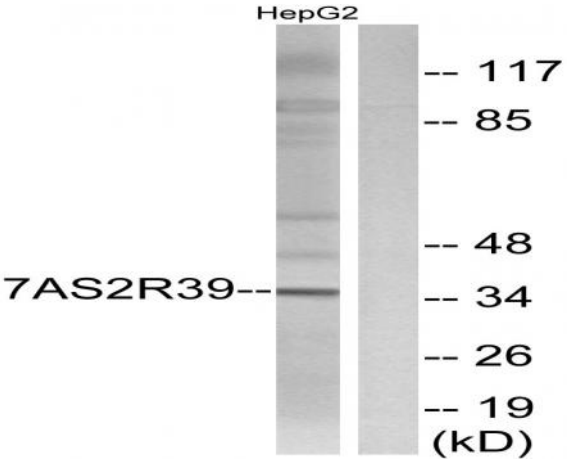
Products Images



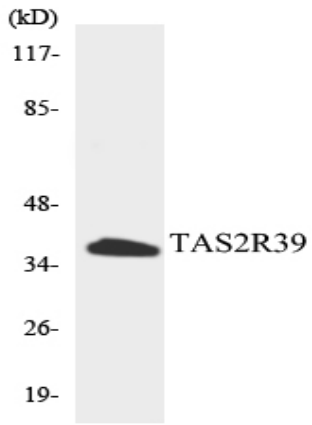
Western Blot analysis of various cells using T2R39 Polyclonal Antibody



Immunofluorescence analysis of A549 cells, using TAS2R39 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using TAS2R39 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using TAS2R39 antibody.