

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

P59534

Q7TQA5

No:

Mouse Swiss Prot

No:

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)

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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 gustducinlinked 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.,

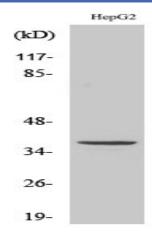
Subcellular Location:

Membrane; Multi-pass membrane protein.

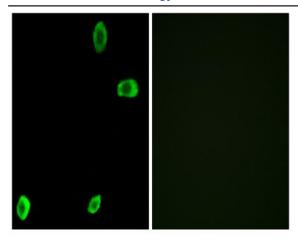
Expression: Expressed in subsets of taste receptor cells of the tongue and exclusively in

gustducin-positive cells.

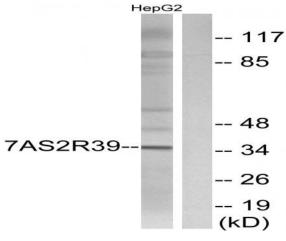
Products Images



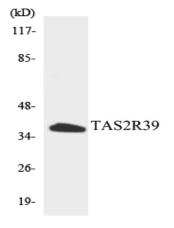
Western Blot analysis of various cells using T2R39 Polyclonal Antibody



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.