Product Name: T1R3 Rabbit Polyclonal Antibody
Catalog #: APRab18551

Summary

Production Name	T1R3 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,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	TAS1R3
Alternative Names	TAS1R3; T1R3; TR3; Taste receptor type 1 member 3; Sweet taste receptor T1R3
Gene ID	83756.0
SwissProt ID	Q7RTX0.The antiserum was produced against synthesized peptide derived from human TAS1R3. AA range:326-375

Application

Dilution Ratio	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Molecular Weight	93kD

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Background

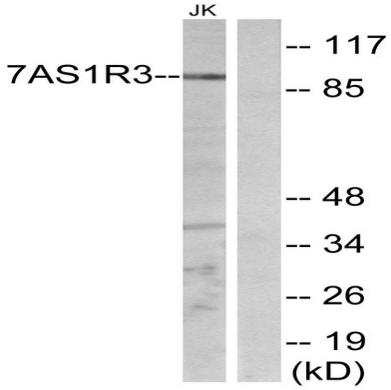
The protein encoded by this gene is a G-protein coupled receptor involved in taste responses. The encoded protein can form a heterodimeric receptor with TAS1R1 to elicit the umami taste response, or it can bind with TAS1R2 to form a receptor for the sweet taste response. [provided by RefSeq, Nov 2015],function:Putative taste receptor. TAS1R1/TAS1R3 responds to the umami taste stimulus (the taste of monosodium glutamate). TAS1R2/TAS1R3 recognizes diverse natural and synthetic sweeteners. TAS1R3 is essential for the recognition and response to the disaccharide trehalose (By similarity). Sequence differences within and between species can significantly influence the selectivity and specificity of taste responses.,online information:The taste experience -Issue 55 of February 2005,similarity:Belongs to the G-protein coupled receptor 3 family. TAS1R subfamily.,subunit:Forms homodimers or heterodimers with TAS1R1 and TAS1R2.,

Research Area

Taste transduction;

Image Data

Immunofluorescence analysis of MCF7 cells, using TAS1R3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using TAS1R3 Antibody. The lane on the right is blocked with the synthesized peptide.

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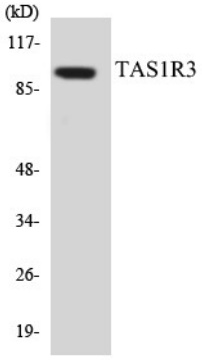

Western blot analysis of the lysates from HeLa cells using TAS1R3 antibody.

Note

For research use only.