

## T1R3 Polyclonal Antibody

<b>Catalog No :</b>	YT4502
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	T1R3
<b>Fields :</b>	>>Taste transduction;>>Carbohydrate digestion and absorption
<b>Gene Name :</b>	TAS1R3
<b>Protein Name :</b>	Taste receptor type 1 member 3
<b>Human Gene Id :</b>	83756
<b>Human Swiss Prot No :</b>	Q7RTX0
<b>Mouse Swiss Prot No :</b>	Q925D8
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human TAS1R3. AA range:326-375
<b>Specificity :</b>	T1R3 Polyclonal Antibody detects endogenous levels of T1R3 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 93kD

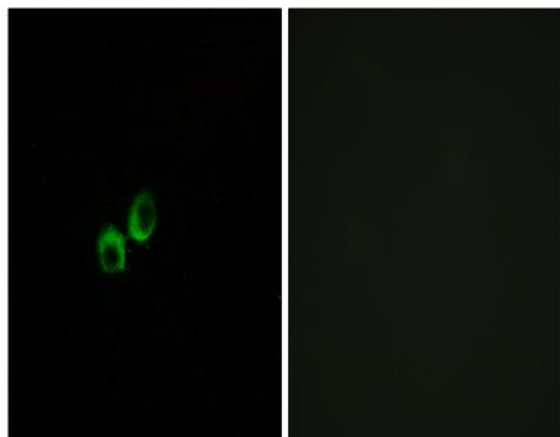
**Cell Pathway :** Taste transduction;

**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],

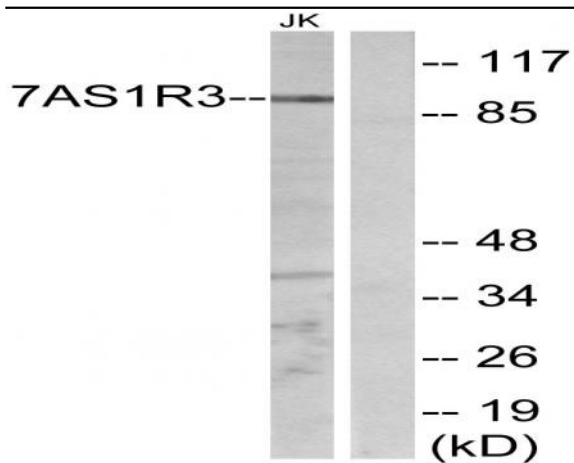
**Function :** function:Putative taste receptor. TAS1R1/TAS1R3 responds to the umami taste stimulus (the taste of monosodium glutamate). TAS1R2/TAS1R3 recognizes diverse natural and synthetic sweeteners. TAS1R3 is essential for the recognition and response to the disaccharide trehalose (By similarity). 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.,

**Subcellular Location :** Cell membrane; Multi-pass membrane protein.

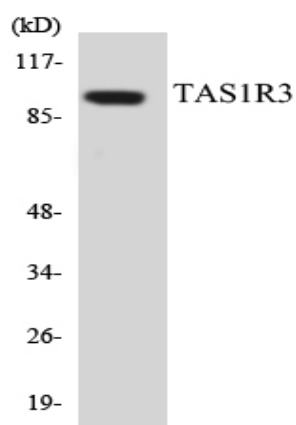
## Products Images



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.



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