



TS1R1 Polyclonal Antibody

Catalog No	YP-Ab-07555
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	TAS1R1 GPR70 T1R1 TR1 GM148
Immunogen	Synthesized peptide derived from human protein . at AA range: 280-360
Specificity	TS1R1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GM148;GPR7;T1R1;TR1;TS1R1_HUMAN;TAS1R1;G-protein coupled receptor 7;TS1R1_MOUSE;TS1R1_RAT;taste 1 receptor member 1;G protein-coupled receptor 7;taste receptor;type 1;member 1;TS1R1;TAS1R1 GPR70 T1R1 TR1 GM148;Taste receptor type 1 member 1 (G-protein coupled receptor 70)
Observed Band	92kD
Calculated Molecular Weight	9 kDa
Cell Pathway	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	
Function	function:Putative taste receptor. TAS1R1/TAS1R3 responds to the umami taste stimulus (the taste of monosodium glutamate). 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 heterodimers with TAS1R3.,
Background	The protein encoded by this gene is a G protein-coupled receptor and is a component of the heterodimeric amino acid taste receptor T1R1+3. The T1R1+3 receptor responds to L-amino acids but not to D-enantiomers or other

compounds. Most amino acids that are perceived as sweet activate T1R1+3, and this activation is strictly dependent on an intact T1R1+3 heterodimer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images