

# Immunotag™ T1R3 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4502
Product Description	Immunotag™ T1R3 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	T1R3
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human TAS1R3. AA range:326-375
Specificity	T1R3 Polyclonal Antibody detects endogenous levels of T1R3 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TAS1R3
Accession No.	Q7RTX0 Q925D8
Alternate Names	TAS1R3; T1R3; TR3; Taste receptor type 1 member 3; Sweet taste receptor T1R3

## Antibody Specification

Description	taste 1 receptor member 3(TAS1R3) Homo sapiens 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],
Cell Pathway/ Category	Taste transduction,
Subcellular Localization	plasma membrane,integral component of membrane,sweet taste receptor complex,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.