

## Rabbit T1R1 / TAS1R1 Polyclonal Antibody | anti-T1R1 antibody

Rabbit Polyclonal to Human T1R1 / TAS1R1

| CATALOG # | HOST   | REACTIVITY                                                                                    | APPLICATIONS                                           |
|-----------|--------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------|
| AAA51759  | Rabbit | HumanPredicted Reactivity: Gorilla, Gibbon, Monkey (at least 90% immunogen sequence identity) | Flow Cytometry, Functional Assay, Immunohistochemistry |

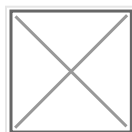
### PRODUCT SYNONYMS

T1R1 / TAS1R1; Polyclonal Antibody; Rabbit Polyclonal to Human T1R1 / TAS1R1; Anti-T1R1 / TAS1R1 Antibody (N-Terminus) IHC-plus; TAS1R1; G-protein coupled receptor 70; GPR70; GM148; GPCR3; G protein-coupled receptor 70; GPCR-B3; T1R1; Taste receptor type 1 member 1; TR1; Human T1R1; anti-T1R1 antibody

### PRODUCT SPECIFICATIONS

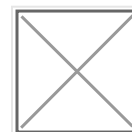
|                                                |                                                                                                                                                                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                              |
| Reactivity                                     | Human<br><b>Predicted Reactivity:</b> Gorilla, Gibbon, Monkey (at least 90% immunogen sequence identity)                                                                                                                                            |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                          |
| Specificity                                    | Human TAS1R1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.                                                                                                                                                 |
| Purity/Purification                            | Immunoaffinity Purified                                                                                                                                                                                                                             |
| Form/Format                                    | PBS, 0.1% sodium azide.                                                                                                                                                                                                                             |
| Concentration                                  | 1 mg/ml (varies by lot)                                                                                                                                                                                                                             |
| Sequence Length                                | 841                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-T1R1 antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)                                                                                                                                                                                               |
| Target Species                                 | Human                                                                                                                                                                                                                                               |
| Immunogen Description                          | Synthetic 18 amino acid peptide from N-terminal extracellular domain of human TAS1R1. Percent identity with other species by BLAST analysis: Human (100%); Gorilla, Gibbon, Monkey (94%); Marmoset (83%).                                           |
| Immunogen Type                                 | Synthetic peptide                                                                                                                                                                                                                                   |
| Immunogen                                      | T1R1 / TAS1R1 antibody was raised against synthetic 18 amino acid peptide from N-terminal extracellular domain of human TAS1R1. Percent identity with other species by BLAST analysis: Human (100%); Gorilla, Gibbon, Monkey (94%); Marmoset (83%). |
| Antigen Modification                           | N-Terminus                                                                                                                                                                                                                                          |
| Preparation and Storage                        | Long term: -70 degree C; Short term: +4 degree C                                                                                                                                                                                                    |

### IMAGES



#### IHC (Immunohistochemistry)

Anti-TAS1R1 antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



#### IHC (Immunohistochemistry)

Anti-T1R1 / TAS1R1 antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                   |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-T1R1 antibody | TAS1R1 is a Taste Receptor. TAS1R1 combines with TAS1R3 to function as an L-amino-acid receptor and is only activated by these sweet amino acids. |
| Product Categories/Family for anti-T1R1 antibody   | Family: GPCR; Subfamily: Taste                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 29294615                                                                                                                         |
| NCBI GeneID                      | 80835                                                                                                                            |
| NCBI Accession #                 | NP_619642.2                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_138697.3                                                                                                                      |
| UniProt Accession #              | Q7RTX1; Q5SY22; Q5SY24; Q8NGZ7; Q8TDJ7; Q8TDJ8; Q8TDJ9; Q8TDK0; B2RMX0                                                           |
| Molecular Weight                 | 35,134 Da                                                                                                                        |
| NCBI Official Full Name          | taste receptor type 1 member 1 isoform b                                                                                         |
| NCBI Official Synonym Full Names | taste receptor, type 1, member 1                                                                                                 |
| NCBI Official Symbol             | TAS1R1                                                                                                                           |
| NCBI Official Synonym Symbols    | TR1; T1R1; GM148; GPR70                                                                                                          |
| NCBI Protein Information         | taste receptor type 1 member 1; G protein-coupled receptor 70; G-protein coupled receptor 70; seven transmembrane helix receptor |
| UniProt Protein Name             | Taste receptor type 1 member 1                                                                                                   |
| UniProt Gene Name                | TAS1R1                                                                                                                           |
| UniProt Synonym Gene Names       | GPR70; T1R1; TR1                                                                                                                 |
| UniProt Entry Name               | TS1R1_HUMAN                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/t1r1-tas1r1-antibody-flow-cytometry-immunohistochemistry-elisa/51759>