

## Rabbit anti-Human TAS2R14 Polyclonal Antibody | anti-TAS2R14 antibody

TAS2R14 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA325757 | Rabbit | Human      | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

TAS2R14; Polyclonal Antibody; TAS2R14 Antibody; T2R14; T2R14\_HUMAN; Taste receptor family B member 1; Taste receptor type 2 member 14; Taste receptor; family B; member 1; type 2; member 14; TRB1; anti-TAS2R14 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                      |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                               |
| Reactivity                                        | Human                                                                                                                                                                |
| Clonality                                         | Polyclonal                                                                                                                                                           |
| Isotype                                           | IgG                                                                                                                                                                  |
| Specificity                                       | TAS2R14 antibody detects endogenous levels of total TAS2R14                                                                                                          |
| Purity/Purification                               | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                                                        |
| Form/Format                                       | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                        |
| Concentration                                     | 1mg/ml (varies by lot)                                                                                                                                               |
| Sequence Length                                   | 317                                                                                                                                                                  |
| Applicable Applications for anti-TAS2R14 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                                         |
| Immunogen                                         | A synthesized peptide                                                                                                                                                |
| Subcellular Location                              | Membrane.                                                                                                                                                            |
| Tissue Specificity                                | Expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells. Expressed in testis (PubMed:16720576). |
| Conjugation                                       | Unconjugated                                                                                                                                                         |
| Preparation and Storage                           | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                                    |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from MCF-7 cells, using TAS2R14 antibody.



#### IF (Immunofluorescence)

AAA325757 staining MCF7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TAS2R14 antibody | Function: Receptor that may play a role in the perception of bitterness and is gustducin-linked. May play a role in sensing the chemical composition of the gastrointestinal content. The activity of this receptor may stimulate alpha gustducin, mediate PLC-beta-2 activation and lead to the gating of TRPM5 (By similarity).<br>Similarity: Belongs to the G-protein coupled receptor T2R family. |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                      |
|----------------------------------|--------------------------------------|
| NCBI GI #                        | 12965182                             |
| NCBI GeneID                      | 50840                                |
| NCBI Accession #                 | NP_076411.1                          |
| NCBI GenBank Nucleotide #        | NM_023922.1                          |
| UniProt Accession #              | Q9NYV8; Q645X3                       |
| Molecular Weight                 | Observed: 38 kD<br>Predicted: 37 kDa |
| NCBI Official Full Name          | taste receptor type 2 member 14      |
| NCBI Official Synonym Full Names | taste 2 receptor member 14           |
| NCBI Official Symbol             | TAS2R14                              |
| NCBI Official Synonym Symbols    | TRB1; T2R14                          |
| NCBI Protein Information         | taste receptor type 2 member 14      |
| UniProt Protein Name             | Taste receptor type 2 member 14      |
| UniProt Gene Name                | TAS2R14                              |
| UniProt Synonym Gene Names       | T2R14; TRB1                          |

**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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