

# Immunotag™ TAS2R Antibody

| Antibody Specification |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITA2555                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Description    | Immunotag™ TAS2R Antibody                                                                                                                                                                                                                                                                                                                                                                                             |
| Size                   | 100 µg, 200 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         | TAS2R                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clonality              | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage/Stability      | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                          |
| Application            | WB,ELISA                                                                                                                                                                                                                                                                                                                                                                                                              |
| Recommended Dilution   | WB 1:1000-3000                                                                                                                                                                                                                                                                                                                                                                                                        |
| Concentration          | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reactive Species       | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                       |
| Host Species           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                |
| Immunogen              | A synthesized peptide derived from human TAS2R                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity            | TAS2R Antibody detects endogenous levels of total TAS2R                                                                                                                                                                                                                                                                                                                                                               |
| Purification           | The antiserum was purified by peptide affinity chromatography.                                                                                                                                                                                                                                                                                                                                                        |
| Form                   | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt                                                                                                                                                                                                                                                           |
| Gene Name              | TBXA2R                                                                                                                                                                                                                                                                                                                                                                                                                |
| Accession No.          | P21731                                                                                                                                                                                                                                                                                                                                                                                                                |
| Alternate Names        | BDPLT13; Prostanoid TP receptor; TA2R_HUMAN; Tbx2r; Thromboxane A2 receptor; TP receptor; TXA2 R; TXA2-R; TXA2R;                                                                                                                                                                                                                                                                                                      |
| Description            | Receptor for thromboxane A2 (TXA2), a potent stimulator of platelet aggregation. The activity of this receptor is mediated by a G-protein that activates a phosphatidylinositol-calcium second messenger system. In the kidney, the binding of TXA2 to glomerular TP receptors causes intense vasoconstriction. Activates phospholipase C. Isoform 1 activates adenylyl cyclase. Isoform 2 inhibits adenylyl cyclase. |

**Antibody Specification**

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|---------------------------|----------------------------------------------------------------------|
| Cell Pathway/<br>Category | Primary Polyclonal Antibody                                          |
| Protein MW                | 37 kDa                                                               |
| Usage                     | For Research Use Only! Not for diagnostic or therapeutic procedures. |