

# Immunotag™ GPR173 Polyclonal Antibody

| Antibody Specification |                                                                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITT1997                                                                                                                                                                                                                                   |
| Product Description    | Immunotag™ GPR173 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         | GPR173                                                                                                                                                                                                                                    |
| 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: 1/40000. Not yet tested in other applications.                                                                                                                   |
| Concentration          | 1 mg/ml                                                                                                                                                                                                                                   |
| Reactive Species       | Human,Mouse,Rat                                                                                                                                                                                                                           |
| Host Species           | Rabbit                                                                                                                                                                                                                                    |
| Immunogen              | Synthesized peptide derived from GPR173, at AA range: 220-300                                                                                                                                                                             |
| Specificity            | GPR173 Polyclonal Antibody detects endogenous levels of GPR173 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              | GPR173                                                                                                                                                                                                                                    |
| Accession No.          | Q9NS66 Q6PI62 Q9JJH2                                                                                                                                                                                                                      |
| Alternate Names        | GPR173; SREB3; Probable G-protein coupled receptor 173; Super conserved receptor expressed in brain 3                                                                                                                                     |
| Description            | G protein-coupled receptor 173(GPR173) Homo sapiens This gene encodes a member of the G-protein coupled receptor 1 family. This protein contains 7 transmembrane domains and conserved cysteine residues. [provided by RefSeq, Nov 2009], |
| Protein Expression     | Brain,Lung,                                                                                                                                                                                                                               |

## Antibody Specification

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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Subcellular Localization | plasma membrane,integral component of membrane,                                                                                                                                                                                                                                                    |
| Protein Function         | function:Orphan receptor.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed at high levels in brain and ovary. Lower levels in small intestine. In brain regions, detected in all regions tested. Highest levels in the cerebellum and cerebral cortex., |
| Usage                    | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                               |