

# Immunotag™ GPR48 Polyclonal Antibody

| Antibody Specification |  |
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| Catalog No.            | ITT2023  |
| Product Description    | Immunotag™ GPR48 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         | GPR48  |
| 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: 1/5000. 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 LGR4. AA range:461-510   |
| Specificity            | GPR48 Polyclonal Antibody detects endogenous levels of GPR48 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              | LGR4   |
| Accession No.          | Q9BXB1 A2ARI4  |
| Alternate Names        | LGR4; GPR48; Leucine-rich repeat-containing G-protein coupled receptor 4; G-protein coupled receptor 48  |

## Antibody Specification

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| Description              | leucine rich repeat containing G protein-coupled receptor 4(LGR4) Homo sapiens The protein encoded by this gene is a G-protein coupled receptor that binds R-spondins and activates the Wnt signaling pathway. This Wnt signaling pathway activation is necessary for proper development of many organs of the body. [provided by RefSeq, Oct 2016],      |
| Protein Expression       | Aorta endothelial cell,Brain,Pancreas,  |
| Subcellular Localization | plasma membrane,integral component of plasma membrane,integral component of membrane,   |
| Protein Function         | function:Orphan receptor.,similarity:Belongs to the G-protein coupled receptor 1 family.,similarity:Contains 15 LRR (leucine-rich) repeats.,tissue specificity:Expressed in multiple steroidogenic tissues: placenta, ovary, testis and adrenal. Expressed also in spinal cord, thyroid, stomach, trachea, heart, pancreas, kidney, prostate and spleen., |
| Usage                    | For Research Use Only! Not for diagnostic or therapeutic procedures.  |