

# Immunotag™ VPAC2 Polyclonal Antibody

| Antibody Specification |  |
|------------------------|--|
| Catalog No.            | ITT4888  |
| Product Description    | Immunotag™ VPAC2 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         | VPAC2  |
| Clonality              | Polyclonal   |
| Storage/Stability      | -20°C/1 year   |
| Application            | WB,IHC-p,IF,ELISA  |
| Recommended Dilution   | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.  |
| Concentration          | 1 mg/ml  |
| Reactive Species       | Human,Mouse,Rat  |
| Host Species           | Rabbit   |
| Immunogen              | Synthesized peptide derived from VPAC2, at AA range: 50-130  |
| Specificity            | VPAC2 Polyclonal Antibody detects endogenous levels of VPAC2 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              | VIPR2  |
| Accession No.          | P41587 P41588 P35000   |
| Alternate Names        | VIPR2; VIP2R; Vasoactive intestinal polypeptide receptor 2; VIP-R-2; Helodermin-preferring VIP receptor; Pituitary adenylate cyclase-activating polypeptide type III receptor; PACAP type III receptor; PACAP-R-3; PACAP-R3; VPAC2 |

## Antibody Specification

|                             |   |
|-----------------------------|---|
| Description                 | vasoactive intestinal peptide receptor 2(VIPR2) Homo sapiens This gene encodes a receptor for vasoactive intestinal peptide, a small neuropeptide. Vasoactive intestinal peptide is involved in smooth muscle relaxation, exocrine and endocrine secretion, and water and ion flux in lung and intestinal epithelia. Its actions are effected through integral membrane receptors associated with a guanine nucleotide binding protein which activates adenylate cyclase. [provided by RefSeq, Aug 2011], |
| Cell Pathway/<br>Category   | Neuroactive ligand-receptor interaction,  |
| Protein Expression          | Adipose tissue,Brain,Heart,T-cell,  |
| Subcellular<br>Localization | plasma membrane,integral component of plasma membrane,membrane,integral component of membrane,  |
| Protein Function            | function:This is a receptor for VIP as well as PACAP-38 and -27, the activity of this receptor is mediated by G proteins which activate adenylyl cyclase. Can be coupled to phospholipase C.,similarity:Belongs to the G-protein coupled receptor 2 family.,tissue specificity:Expressed in CD4+ T-cells, but not in CD8+ T-cells. Expressed in the T-cell lines Jurkat, PEER, MOLT-4, HSB, YT and Tsup-1, but not in the T-cell lines HARRIS and HUT 78.,  |
| Usage                       | For Research Use Only! Not for diagnostic or therapeutic procedures.  |