

# Immunotag™ MRGX3 Polyclonal Antibody

| Antibody Specification |                                                                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITT2836                                                                                                                                                                                                                                                                                                |
| Product Description    | Immunotag™ MRGX3 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         | MRGX3                                                                                                                                                                                                                                                                                                  |
| 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: 1/10000. 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 MRGX3. AA range:99-148                                                                                                                                                                                                       |
| Specificity            | MRGX3 Polyclonal Antibody detects endogenous levels of MRGX3 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              | MRGPRX3                                                                                                                                                                                                                                                                                                |
| Accession No.          | Q96LB0                                                                                                                                                                                                                                                                                                 |
| Alternate Names        | MRGPRX3; MRGX3; SNSR1; SNSR2; Mas-related G-protein coupled receptor member X3; Sensory neuron-specific G-protein coupled receptor 1/2                                                                                                                                                                 |
| Description            | MAS related GPR family member X3(MRGPRX3) Homo sapiens This gene encodes a member of the mas-related/sensory neuron specific subfamily of G protein coupled receptors. The encoded protein may be involved in sensory neuron regulation and in the modulation of pain. [provided by RefSeq, Oct 2009], |

## Antibody Specification

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Expression       | Testis,                                                                                                                                                                                                                                                                                                                                                                                                          |
| Subcellular Localization | integral component of plasma membrane,integral component of membrane,                                                                                                                                                                                                                                                                                                                                            |
| Protein Function         | function:Orphan receptor. Probably involved in the function of nociceptive neurons. May regulate nociceptor function and/or development, including the sensation or modulation of pain. Potently activated by enkephalins.,similarity:Belongs to the G-protein coupled receptor 1 family. Mas subfamily.,tissue specificity:Uniquely localized in a subset of small dorsal root and trigeminal sensory neurons., |
| Usage                    | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                             |