

# Immunotag™ RAB23 Polyclonal Antibody

| Antibody Specification |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITN1172                                                                                                                                                            |
| Product Description    | Immunotag™ RAB23 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         | RAB23                                                                                                                                                              |
| Clonality              | Polyclonal                                                                                                                                                         |
| Storage/Stability      | -20°C/1 year                                                                                                                                                       |
| Application            | WB,ELISA                                                                                                                                                           |
| Recommended Dilution   | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                   |
| Concentration          | 1 mg/ml                                                                                                                                                            |
| Reactive Species       | Human                                                                                                                                                              |
| Host Species           | Rabbit                                                                                                                                                             |
| Immunogen              | Synthesized peptide derived from human protein . at AA range: 120-200                                                                                              |
| Specificity            | RAB23 Polyclonal Antibody detects endogenous levels of protein.                                                                                                    |
| Purification           | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen                                               |
| Form                   | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                     |
| Gene Name              | RAB23 HSPC137                                                                                                                                                      |
| Accession No.          | Q9ULC3 P35288                                                                                                                                                      |

## Antibody Specification

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| Description                 | RAB23, member RAS oncogene family(RAB23) Homo sapiens This gene encodes a small GTPase of the Ras superfamily. Rab proteins are involved in the regulation of diverse cellular functions associated with intracellular membrane trafficking, including autophagy and immune response to bacterial infection. The encoded protein may play a role in central nervous system development by antagonizing sonic hedgehog signaling. Disruption of this gene has been implicated in Carpenter syndrome as well as cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013], |
| Cell Pathway/<br>Category   | Hedgehog,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein<br>Expression       | Brain,Fetal brain,Hair follicle,Umbilical cord blood,Uterus,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Subcellular<br>Localization | intracellular,cytoplasm,autophagosome,plasma membrane,endosome membrane,phagocytic vesicle membrane,phagocytic vesicle,extracellular exosome,                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protein Function            | disease:Defects in RAB23 are the cause of Carpenter syndrome [MIM:201000]; also known as acrocephalopolysyndactyly type 2 (ACPS2). Carpenter syndrome is characterized by craniosynostosis, polysyndactyly, obesity, and cardiac defects. Inheritance is autosomal recessive.,similarity:Belongs to the small GTPase superfamily. Rab family.,                                                                                                                                                                                                                                                                      |
| Usage                       | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |