

# Immunotag™ RAP1B Antibody

| Antibody Specification |                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITA2963                                                                                                                                                                                                                                                    |
| Product Description    | Immunotag™ RAP1B Antibody                                                                                                                                                                                                                                  |
| Size                   | 100 µg, 200 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         | RAP1B                                                                                                                                                                                                                                                      |
| Clonality              | Polyclonal                                                                                                                                                                                                                                                 |
| Storage/Stability      | -20°C/1 year                                                                                                                                                                                                                                               |
| Application            | WB,IHC                                                                                                                                                                                                                                                     |
| Recommended Dilution   | WB 1:500-1:2000, IHC 1:50-1:200                                                                                                                                                                                                                            |
| Concentration          | 1 mg/ml                                                                                                                                                                                                                                                    |
| Reactive Species       | Human,Mouse                                                                                                                                                                                                                                                |
| Host Species           | Rabbit                                                                                                                                                                                                                                                     |
| Immunogen              | A synthesized peptide derived from human RAP1B.                                                                                                                                                                                                            |
| Specificity            | RAP1B antibody detects endogenous levels of RAP1B.                                                                                                                                                                                                         |
| Purification           | The antiserum was purified by peptide affinity chromatography.                                                                                                                                                                                             |
| Form                   | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt                                                                                                |
| Gene Name              | RAP1B                                                                                                                                                                                                                                                      |
| Accession No.          | P61224                                                                                                                                                                                                                                                     |
| Alternate Names        | 2810443E11Rik; DKFZp586H0723; GTP binding protein smg p21B; K-REV; MGC93206; RAL1B; RAP1B; RAP1B member of RAS oncogene family; Ras family small GTP binding protein RAP1B; RAS related protein 1b; Ras related protein Rap 1b; Ras related protein RAP1B; |

## Antibody Specification

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| Description               | GTP-binding protein that possesses intrinsic GTPase activity. Contributes to the polarizing activity of KRIT1 and CDH5 in the establishment and maintenance of correct endothelial cell polarity and vascular lumen. Required for the localization of phosphorylated PRKCZ, PARD3 and TIAM1 to the cell junction. Plays a role in the establishment of basal endothelial barrier function. |
| Cell Pathway/<br>Category | Primary Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                |
| Protein MW                | 21 kDa                                                                                                                                                                                                                                                                                                                                                                                     |
| Usage                     | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                       |