

## Human Ras-Related Protein Rab-10 (RAB10) ELISA Kit | RAB10 elisa kit

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CATALOG #  
**AAA331178**

REACTIVITY  
**Human**

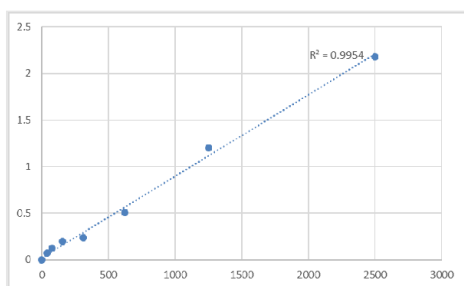
### PRODUCT SYNONYMS

Ras-Related Protein Rab-10 (RAB10); Human Ras-Related Protein Rab-10 (RAB10) ELISA Kit; RAB10; GTP-binding protein RAB10; ras-related GTP-binding protein; ras-related GTP-binding protein RAB10; RAB10 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Ras-related protein Rab-10 (RAB10) ELISA Kit has high sensitivity and excellent specificity for detection of Human RAB10. No significant cross-reactivity or interference between Human RAB10 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence Length         | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Ras-related protein Rab-10 (RAB10) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for RAB10 elisa kit | <p>Description: This Human Ras-related protein Rab-10 (RAB10) ELISA Kit employs a two-site sandwich ELISA to quantitate RAB10 in samples. An antibody specific for RAB10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RAB10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RAB10 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RAB10 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: RAB10 belongs to the RAS superfamily of small GTPases. RAB proteins localize to exocytic and endocytic compartments and regulate intracellular vesicle trafficking. The deduced 49-amino acid sequence includes the first 2 GTP-binding regions and effector domain residues that are conserved in RAB proteins. The deduced 200-amino acid RAB10 protein contains 4 highly conserved GTPase motifs and a C-terminal geranylgeranylation motif. Northern blot analysis detected a major transcript of about 4 kb and a smaller minor transcript. Highest expression was detected in heart and skeletal muscle, followed by brain, placenta, lung, liver, kidney, pancreas, testis, and spleen. Low expression was detected in ovary, prostate, and colon, and little to no expression was detected in thymus, small intestine, and leukocytes.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                   |
|----------------------------------|-----------------------------------|
| NCBI GI #                        | 46577638                          |
| NCBI GeneID                      | 10890                             |
| UniProt Accession #              | P61026                            |
| NCBI Official Full Name          | Ras-related protein Rab-10        |
| NCBI Official Synonym Full Names | RAB10, member RAS oncogene family |
| NCBI Official Symbol             | RAB10                             |
| NCBI Protein Information         | ras-related protein Rab-10        |
| UniProt Protein Name             | Ras-related protein Rab-10        |
| UniProt Gene Name                | RAB10                             |
| UniProt Entry Name               | RAB10_HUMAN                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.