

Human Ras-Related Protein Rab-1A (RAB1A) ELISA Kit | RAB1A elisa kit

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CATALOG #
AAA331177

REACTIVITY
Human

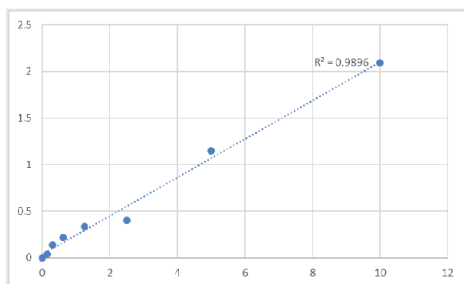
PRODUCT SYNONYMS

Ras-Related Protein Rab-1A (RAB1A); Human Ras-Related Protein Rab-1A (RAB1A) ELISA Kit; RAB1A; DKFZp564B163; RAB1; YPT1; GTP binding protein Rab1a; member RAS oncogene family; Rab GTPase YPT1 homolog; RAB1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Ras-related protein Rab-1A (RAB1A) ELISA Kit has high sensitivity and excellent specificity for detection of Human RAB1A. No significant cross-reactivity or interference between Human RAB1A and analogues was observed.
Sequence Length	205
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Ras-related protein Rab-1A (RAB1A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RAB1A elisa kit	Description: This Human Ras-related protein Rab-1A (RAB1A) ELISA Kit employs a two-site sandwich ELISA to quantitate RAB1A in samples. An antibody specific for RAB1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RAB1A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RAB1A 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 RAB1A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: RAB1A encodes a member of the Ras superfamily of GTPases. Members of the gene family cycle between inactive GDP-bound and active GTP-bound forms. This small GTPase controls vesicle traffic from the endoplasmic reticulum to the Golgi apparatus. Multiple alternatively spliced transcript variants have been identified for this gene which encode different protein isoforms. RAB1 recruited p115 to coat protein complex II (COPII) vesicles during budding from the endoplasmic reticulum (ER), where it interacted with a select set of COPII vesicle-associated SNAREs to form a cis-SNARE complex that promotes targeting to the Golgi apparatus.RAB1-regulated assembly of functional effector-SNARE complexes defines a conserved molecular mechanism to coordinate recognition between subcellular compartments.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51338603
NCBI GeneID	5861
UniProt Accession #	P62820
NCBI Official Full Name	Ras-related protein Rab-1A
NCBI Official Synonym Full Names	RAB1A, member RAS oncogene family
NCBI Official Symbol	RAB1A
NCBI Official Synonym Symbols	RAB1; YPT1
NCBI Protein Information	ras-related protein Rab-1A
UniProt Protein Name	Ras-related protein Rab-1A
UniProt Gene Name	RAB1A
UniProt Synonym Gene Names	RAB1
UniProt Entry Name	RAB1A_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ras-related-protein-rab-1a-rab1a/331177>