

Human Ras-Related Protein Rab-3B (RAB3B) ELISA Kit | RAB3B elisa kit

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CATALOG #
AAA331175

REACTIVITY
Human

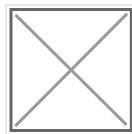
PRODUCT SYNONYMS

Ras-Related Protein Rab-3B (RAB3B); Human Ras-Related Protein Rab-3B (RAB3B) ELISA Kit; RAB3B; Brain antigen RAB3B; RAB3B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Ras-related protein Rab-3B (RAB3B) ELISA Kit has high sensitivity and excellent specificity for detection of Human RAB3B. No significant cross-reactivity or interference between Human RAB3B and analogues was observed.
Sequence Length	219
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-3B (RAB3B) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RAB3B elisa kit	Description: This Human Ras-related protein Rab-3B (RAB3B) ELISA Kit employs a two-site sandwich ELISA to quantitate RAB3B in samples. An antibody specific for RAB3B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RAB3B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RAB3B 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 RAB3B bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The mammalian RAB proteins show striking similarities to the <i>S. cerevisiae</i> YPT1 and SEC4 proteins, Ras-related GTP-binding proteins involved in the regulation of secretion. RAB3B protein shares 78% identity with RAB3A. After endocytosis, the PIGR-dIgA complex traverses several endosomal compartments and is exocytosed at the apical plasma membrane. Rab3b localized to vesicular structures containing Pigr in canine kidney cells and that GTP-bound Rab3b interacted directly with the cytoplasmic domain of Pigr. Binding of dIgA to Pigr dissociated Rab3b, but a constitutively active Rab3b mutant maintained its interaction with Pigr in dIgA-treated cells. Furthermore, GTP-locked Rab3b inhibited dIgA-stimulated transcytosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19923750
NCBI GeneID	5865
NCBI Accession #	NP_002858.2
NCBI GenBank Nucleotide #	NP_002858.2
UniProt Accession #	P20337
NCBI Official Full Name	ras-related protein Rab-3B
NCBI Official Synonym Full Names	RAB3B, member RAS oncogene family
NCBI Official Symbol	RAB3B
NCBI Protein Information	ras-related protein Rab-3B
UniProt Protein Name	Ras-related protein Rab-3B
UniProt Gene Name	RAB3B
UniProt Entry Name	RAB3B_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-3b-rab3b/331175>