

Human RAB27B (Ras-related protein Rab-27B) ELISA Kit | RAB27B elisa kit

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CATALOG #
AAA248783

REACTIVITY
Human

PRODUCT SYNONYMS

RAB27B (Ras-related protein Rab-27B); Human RAB27B (Ras-related protein Rab-27B) ELISA Kit; RAB27B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RAB27B. No significant cross-reactivity or interference between RAB27B and analogues was observed.
Sequence Length	218
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RAB27B were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RAB27B were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a RAB27B ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A:Not applicable)

X	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.009	0.127	0.24	0.388	0.692	0.997	1.447	2.055

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RAB27B elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-RAB27B antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- RAB27B antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the RAB27B amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of RAB27B can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729997
NCBI GeneID	5874
NCBI Accession #	NP_004154.2
NCBI GenBank Nucleotide #	NM_004163.4
UniProt Accession #	O00194; Q9BZB6; B2RAB0
Molecular Weight	24,608 Da
NCBI Official Full Name	ras-related protein Rab-27B
NCBI Official Synonym Full Names	RAB27B, member RAS oncogene family
NCBI Official Symbol	RAB27B
NCBI Official Synonym Symbols	C25KG
NCBI Protein Information	ras-related protein Rab-27B
UniProt Protein Name	Ras-related protein Rab-27B
UniProt Gene Name	RAB27B

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/rab27b-ras-related-protein-rab-27b/248783>