

Human RAC-beta serine/threonine-protein kinase ELISA Kit | AKT2 elisa kit

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CATALOG #
AAA194943

REACTIVITY
Human

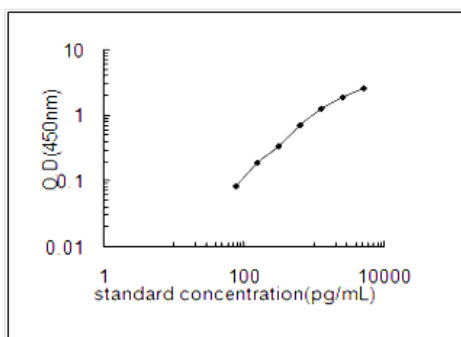
PRODUCT SYNONYMS

RAC-beta serine/threonine-protein kinase; Human RAC-beta serine/threonine-protein kinase ELISA Kit; Protein kinase Akt-2; Protein kinase B beta; PKB beta; RAC-PK-beta; AKT2; 2.7.11.1; AKT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human RAC-beta serine/threonine-protein kinase. No significant cross-reactivity or interference was observed.
Sequence Length	481
Assay Type	Sandwich
Detection Range	78-5000 pg/ml
Sensitivity	39.8 pg/mL
Intra-Assay CV	<=6.7%
Inter-Assay CV	<=8.0%
Recovery	94%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKT2 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human RAC-beta serine/threonine-protein kinase concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay The microtiter plate provided in this kit has been pre-coated with an antibody specific to RAC-beta serine/threonine-protein kinase. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for RAC-beta serine/threonine-protein kinase and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain RAC-beta serine/threonine-protein kinase, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of RAC-beta serine/threonine-protein kinase in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502023
NCBI GeneID	208
NCBI Accession #	NP_001617.1
NCBI GenBank Nucleotide #	NM_001626.5
UniProt Accession #	P31751; Q05BV0; Q0VAN0; Q0VAN1; Q68GC0; B2RBD8
Molecular Weight	51,083 Da
NCBI Official Full Name	RAC-beta serine/threonine-protein kinase isoform 1
NCBI Official Synonym Full Names	v-akt murine thymoma viral oncogene homolog 2
NCBI Official Symbol	AKT2
NCBI Official Synonym Symbols	PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA
NCBI Protein Information	RAC-beta serine/threonine-protein kinase
UniProt Protein Name	RAC-beta serine/threonine-protein kinase
UniProt Gene Name	AKT2
UniProt Synonym Gene Names	PKB beta
UniProt Entry Name	AKT2_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.