Human v-akt murine thymoma viral oncogene homolog 1 ELISA Kit | AKT1 elisa kit

Human RAC-alpha serine/threonine-protein kinase, AKT1 ELISA Kit

CATALOG #	REACTIVITY
AAA113000	**Human**

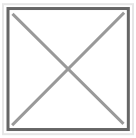
PRODUCT SYNONYMS

v-akt murine thymoma viral oncogene homolog 1; Human RAC-alpha serine/threonine-protein kinase; AKT1 ELISA Kit; Human RAC-alpha serine/threonine-protein kinase (AKT1) ELISA kit; AKT; MGC99656; PKB; PKB-ALPHA; PRKBA; RAC; RAC-ALPHA; AKT1 kinase; RAC-alpha serine/threonine-protein kinase; protein kinase B; rac protein kinase alpha; AKT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human AKT1. No significant cross-reactivity or interference between human AKT1 and analogues was observed.
Sequence Length	480
Samples	Serum, plasma, Cell lysates
Assay Type	Sandwich
Detection Range	0.312 ng/ml-20 ng/ml.
Sensitivity	The minimum detectable dose of human AKT1 is typically less than 0.078 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKT1 elisa kit	**Principle of the assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for AKT1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AKT1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AKT1 is added to the wells. After washing, avidin 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 AKT1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62241013
NCBI GeneID	207
NCBI Accession #	NP_001014431.1
NCBI GenBank Nucleotide #	NM_001014431.1
UniProt Accession #	P31749; Q9BWB6; B2RAM5
Molecular Weight	55,686 Da
NCBI Official Full Name	RAC-alpha serine/threonine-protein kinase
NCBI Official Synonym Full Names	v-akt murine thymoma viral oncogene homolog 1
NCBI Official Symbol	AKT1
NCBI Official Synonym Symbols	AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA
NCBI Protein Information	RAC-alpha serine/threonine-protein kinase; AKT1m; PKB alpha; RAC-PK-alpha; proto-oncogene c-Akt; protein kinase B alpha; rac protein kinase alpha
UniProt Protein Name	RAC-alpha serine/threonine-protein kinase
UniProt Gene Name	**AKT1**
UniProt Synonym Gene Names	PKB; RAC; PKB; PKB alpha
UniProt Entry Name	AKT1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/akt1-human-elisa-kits/v-akt-murine-thymoma-viral-oncogene-homolog-1/113000