

Akt elisa kit

Phospho-Akt (Thr308) Fluorometric Cell-Based ELISA Kit

CATALOG #
AAA315592

REACTIVITY
Human, Mouse, Rat

PRODUCT SYNONYMS

Akt; Phospho-Akt (Thr308) Fluorometric Cell-Based ELISA Kit; AKT; AKT1 kinase; C-AKT; kinase Akt1; PKB; PKB-alpha; Protein kinase B; RAC; RAC-alpha serine/threonine kinase; RAC-PK-alpha; Akt elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Form/Format	Two 96-Well Plates
Sequence Length	480
Reactivity Note	Human: S307, Mouse: S302, Rat: S302
Detection Method	Fluorometric
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for Akt elisa kit

Background/Introduction: The Fluorometric Cell-Based ELISA Kit allows for the detection of various target proteins and the effects that certain stimulation conditions have on target protein expression in different cell lines. Qualitative determination of target protein concentration is achieved by an indirect ELISA format. In essence, the target protein is captured by target-specific primary (1 degree) antibodies while Dye 1-conjugated and Dye 2-conjugated secondary (2 degree) antibodies bind the Fc region of the 1 degree antibody. Through this binding, the dye conjugated to the 2 degree antibody can emit light at a certain wavelength given proper excitation, hence allowing for a fluorometric detection method. A monoclonal antibody specific for human GAPDH is included to serve as an internal positive control in normalizing the target RFU values. If a phosphorylated target is being detected, an antibody against the non-phosphorylated counterpart will be provided for normalization purposes. The RFU values obtained for the non-phosphorylated target can be used to normalize the RFU value for the phosphorylated target. The IRS-1 (Phospho-Ser307) Cell-Based ELISA Kit is a convenient, lysate-free, high throughput and sensitive assay kit that can monitor IRS-1 protein phosphorylation and expression profile in cells. The kit can be used for measuring the relative amounts of phosphorylated IRS-1 in cultured cells as well as screening for the effects that various treatments, inhibitors (ie. siRNA or chemicals), or activators have on IRS-1 phosphorylation.

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; B7Z5R1
Molecular Weight	55686
NCBI Official Full Name	RAC-alpha serine/threonine-protein kinase
NCBI Official Synonym Full Names	AKT serine/threonine kinase 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
UniProt Protein Name	RAC-alpha serine/threonine-protein kinase
UniProt Gene Name	AKT1
UniProt Synonym Gene Names	PKB; RAC; PKB; PKB alpha

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-mouse-rat-elisa-kits/akt/315592>