

Human RAC-gamma Serine/Threonine-Protein Kinase (AKT3) ELISA Kit | AKT3 elisa kit

Human RAC-gamma Serine/Threonine-Protein Kinase (AKT3) ELISA Kit

CATALOG #
AAA330853

REACTIVITY
Human

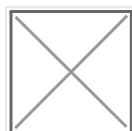
PRODUCT SYNONYMS

RAC-gamma Serine/Threonine-Protein Kinase (AKT3); Human RAC-gamma Serine/Threonine-Protein Kinase (AKT3) ELISA Kit; AKT3; DKFZp434N0250; PKB-GAMMA; PKBG; PRKBG; RAC-PK-gamma; RAC-gamma; STK-2; AKT3 kinase; OTTHUMP00000037911; OTTHUMP00000037912; RAC-gamma serine/threonine protein kinase; protein kinase B gamma; serine threo; AKT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human RAC-gamma serine/threonine-protein kinase (AKT3) ELISA Kit has high sensitivity and excellent specificity for detection of Human AKT3. No significant cross-reactivity or interference between Human AKT3 and analogues was observed.
Sequence Length	479
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	<ul style="list-style-type: none"> * 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 RAC-gamma serine/threonine-protein kinase (AKT3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for AKT3 elisa kit	<p>Description: This Human RAC-gamma serine/threonine-protein kinase (AKT3) ELISA Kit employs a two-site sandwich ELISA to quantitate AKT3 in samples. An antibody specific for AKT3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AKT3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AKT3 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 AKT3 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: The protein encoded by this gene is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKT kinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1). Alternatively splice transcript variants encoding distinct isoforms have been described. Mice lacking Akt3 have a normal glucose metabolism (no diabetes), have approximately normal body weight, but have a 25% reduction in brain mass. Incidentally, Akt3 is highly expressed in the brain.</p>
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757579
NCBI GeneID	10000
UniProt Accession #	Q9Y243
NCBI Official Full Name	protein kinase B gamma
NCBI Official Synonym Full Names	AKT serine/threonine kinase 3
NCBI Official Symbol	AKT3
NCBI Official Synonym Symbols	MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma
NCBI Protein Information	RAC-gamma serine/threonine-protein kinase
UniProt Protein Name	RAC-gamma serine/threonine-protein kinase
UniProt Gene Name	AKT3
UniProt Synonym Gene Names	PKBG; PKB gamma
UniProt Entry Name	AKT3_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/human-elisa-kits/rac-gamma-serine-threonine-protein-kinase-akt3/330853>