Human RAC-gamma serine/threonine-protein kinase (AKT3) ELISA Kit

Catalog No: #EK7321

Package Size: #EK7321-1 48T #EK7321-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human RAC-gamma serine/threonine-protein kinase (AKT3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	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
Accession No.	Q9Y243
Uniprot	Q9Y243
GeneID	10000;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.60 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay 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 anyAKT3 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.Product Overview: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.

Note: This product is for in vitro research use only