

Datasheet for ABIN359084
anti-AKT3 antibody (Ser472)



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1 Image

Overview

Quantity:	0.4 mL
Target:	AKT3
Binding Specificity:	Ser472
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKT3 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide corresponding to amino acid residues surrounding S472 of human AKT3.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to AKT3.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	AKT3
Alternative Name:	AKT3 / PKB gamma (AKT3 Products)
Background:	AKT3 is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKT

Target Details

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).Synonyms: PKBG, Protein kinase B gamma, RAC-PK-gamma, RAC-gamma serine/threonine-protein kinase, STK-2

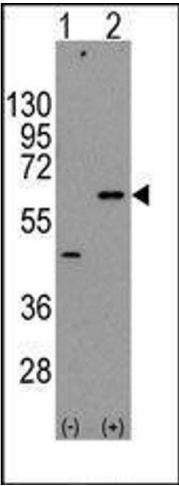
Gene ID:	10000, 9606
UniProt:	Q9Y243
Pathways:	PI3K-Akt Signaling , RTK Signaling , TLR Signaling , Hepatitis C , VEGF Signaling

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.



Western Blotting

Image 1. Western blot analysis of AKT3 (arrow) using rabbit polyclonal AKT3 Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the AKT3 gene (Lane 2)