

Datasheet for ABIN7167035
anti-AKT3 antibody (AA 1-164) (HRP)



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Overview

Quantity:	100 µg
Target:	AKT3
Binding Specificity:	AA 1-164
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKT3 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human RAC-gamma serine/threonine-protein kinase protein (1-164AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	AKT3
Alternative Name:	AKT3 (AKT3 Products)
Background:	Background: AKT3 is one of 3 closely related serine/threonine-protein kinases (AKT1, AKT2 and AKT3) called the AKT kinase, and which regulate many processes including metabolism,

Target Details

proliferation, cell survival, growth and angiogenesis. This is mediated through serine and/or threonine phosphorylation of a range of downstream substrates. Over 100 substrate candidates have been reported so far, but for most of them, no isoform specificity has been reported. AKT3 is the least studied AKT isoform. It plays an important role in brain development and is crucial for the viability of malignant glioma cells. AKT3 isoform may also be the key molecule in up-regulation and down-regulation of MMP13 via IL13. Required for the coordination of mitochondrial biogenesis with growth factor-induced increases in cellular energy demands. Down-regulation by RNA interference reduces the expression of the phosphorylated form of BAD, resulting in the induction of caspase-dependent apoptosis. Aliases: Akt3 antibody, AKT3 kinase antibody, AKT3_HUMAN antibody, DKFZp434N0250 antibody, MPPH antibody, PKB gamma antibody, PKBG antibody, PRKBG antibody, Protein kinase Akt-3 antibody, Protein Kinase AKT3 antibody, Protein kinase B gamma antibody, RAC gamma antibody, RAC gamma serine/threonine protein kinase antibody, RAC-gamma serine/threonine-protein kinase antibody, RAC-PK-gamma antibody, RACPK Gamma antibody, Serine threonine protein kinase Akt 3 antibody, Serine threonine protein kinase Akt3 antibody, STK 2 antibody, STK-2 antibody, STK2 antibody, V akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma) antibody, V akt murine thymoma viral oncogene homolog 3 antibody, V akt murine thymoma viral oncogene homolog 3 protein kinase B gamma antibody

UniProt:	Q9Y243
Pathways:	PI3K-Akt Signaling , RTK Signaling , TLR Signaling , Hepatitis C , VEGF Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.