Datasheet for ABIN358400

anti-AKT3 antibody (pSer472)

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Overview

Quantity:	0.4 mL
Target:	AKT3
Binding Specificity:	pSer472
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKT3 antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S472 of human AKT3.
Isotype:	Ig Fraction
Specificity:	This antibody detects AKT3 (PKB gamma) pSer472.
Purification:	Affinity purification in a 2-step procedure with the control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	AKT3
Alternative Name:	AKT3 / PKB gamma (AKT3 Products)

Target Details

Background:	AKT3 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).Synonyms: PKBG, Protein kinase B gamma, RAC-PK-gamma, RAC-gamma serine/threonine-protein kinase, STK-2
Molecular Weight:	55775 Da
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. Dot Blot: 1/500. Also reported to work in Western Blot (See Ref.1 for more details). 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 as preservative.
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.

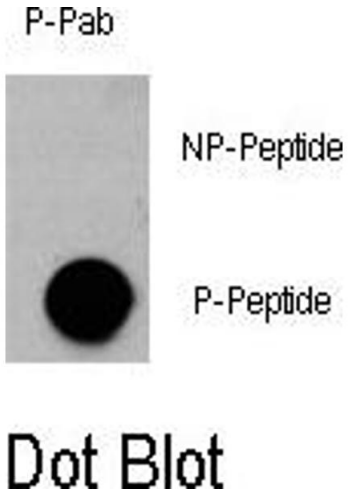

Image 1.