Datasheet for ABIN6136743

anti-AKT3 antibody (AA 93-154)

1 Image

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Overview

Quantity:	100 µL
Target:	AKT3
Binding Specificity:	AA 93-154
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 93-154 of human AKT3 (NP_859029.1).
Sequence:	EEREEWTEAI QAVADRLQRQ EEERMNCSPT SQIDNIGEEE MDASTTHHKR KTMNDFDYLK LL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	AKT3

Target Details

Alternative Name:	AKT3 (AKT3 Products)
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.,AKT3,MPPH,MPPH2,PKB-GAMMA,PKBG,PRKBG,RAC-PK-gamma,RAC-gamma,STK-2,Epigenetics & Nuclear Signaling,Translation Control,Regulation of eIF4 and p70 S6 Kinase,Cancer,Signal Transduction,G protein signaling,Kinase,Serine/threonine kinases,PI3K-Akt Signaling Pathway,mTOR Signaling Pathway,Protein Kinase C Signaling Pathway,ErbB-HER Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,Cell Cycle,G1/S Checkpoint,Cell Adhesion,Microtubules,TGF-b-Smad Signaling Pathway,ESC Pluripotency and Differentiation,Endocrine & Metabolism,AMPK Signaling Pathway,Insulin Receptor Signaling Pathway,Warburg Effect,Immunology & Inflammation,B Cell Receptor Signaling Pathway,T Cell Receptor Signaling Pathway,IL-6 Receptor Signaling Pathway,NF-kB Signaling Pathway,Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,Cardiovascular,Angiogenesis,AKT3
Molecular Weight:	54 kDa/55 kDa
Gene ID:	10000
UniProt:	Q9Y243
Pathways:	PI3K-Akt Signaling, RTK Signaling, TLR Signaling, Hepatitis C, VEGF Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

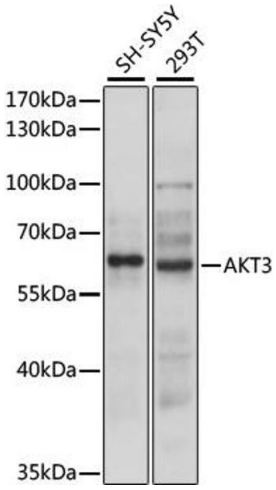
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using antibody (ABIN6131180, ABIN6136743, ABIN6136745 and ABIN6216715) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.