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Datasheet for ABIN7405406
AKT1 Protein (AA 122-443) (His tag)

Overview

Quantity:	100 µg
Target:	AKT1
Protein Characteristics:	AA 122-443
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKT1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), Positive Control (PC), Immunogen (Imm)

Product Details

Sequence:	Ser122-Thr443
Characteristics:	Recombinant Protein Kinase B Alpha (PKBa), Prokaryotic expression, Ser122-Thr443, N-terminal His Tag
Purity:	> 97 %

Target Details

Target:	AKT1
Alternative Name:	Protein Kinase B Alpha (AKT1 Products)
Background:	AKT1, AKT, PKB-A, Proto-oncogene c-Akt, RAC-Alpha Serine/Threonine-Protein Kinase, V-akt Murine Thymoma Viral Oncogene Homolog 1

Target Details

Molecular Weight:	44kDa
UniProt:	P31749
Pathways:	PI3K-Akt Signaling , RTK Signaling , TCR Signaling , AMPK Signaling , Interferon-gamma Pathway , TLR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Response to Water Deprivation , Regulation of Actin Filament Polymerization , Carbohydrate Homeostasis , Glycosaminoglycan Metabolic Process , Cellular Glucan Metabolic Process , Regulation of Muscle Cell Differentiation , Cell-Cell Junction Organization , Regulation of Cell Size , Skeletal Muscle Fiber Development , Regulation of Carbohydrate Metabolic Process , Hepatitis C , Protein targeting to Nucleus , CXCR4-mediated Signaling Events , Signaling Events mediated by VEGFR1 and VEGFR2 , Negative Regulation of intrinsic apoptotic Signaling , Thromboxane A2 Receptor Signaling , Signaling of Hepatocyte Growth Factor Receptor , Positive Regulation of fat Cell Differentiation , VEGFR1 Specific Signals , VEGF Signaling , Warburg Effect

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Isoelectric Point:6.5
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Expiry Date:	12 months