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Datasheet for ABIN7505048

AKT1 Protein (AA 1-123) (His tag)

Overview

Quantity:	100 µg
Target:	AKT1
Protein Characteristics:	AA 1-123
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKT1 protein is labelled with His tag.

Product Details

Sequence:	Met 1-Gly 123
Characteristics:	A DNA sequence encoding the Human AKT1 protein (P31749) (Met 1-Gly 123) was expressed with a N-His tag.
Purity:	>95 % as determined by reducing SDS-PAGE.

Target Details

Target:	AKT1
Alternative Name:	AKT1 (AKT1 Products)
Background:	Background: v-akt murine thymoma viral oncogene homolog 1 (AKT1), or protein kinase B-alpha (PKB-ALPHA) is a serine-threonine protein kinase, belonging to the Protein Kinase Superfamily. AKT1 is a major mediator of the responses to insulin, insulin-like growth factor Synonym: AKT,CWS6,PKB,PKB-ALPHA,PRKBA,RAC,RAC-ALPHA

Target Details

Molecular Weight:	13.42 kDa
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

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months