Datasheet for ABIN7583411

AKT2 Protein (AA 1-481) (His tag)

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Overview

Quantity:	100 µg
Target:	AKT2
Protein Characteristics:	AA 1-481
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKT2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MNEVSVIKEG WLHKRGEYIK TWRPRYFLLK SDGSFIGYKE RPEAPDQTLP PLNNFSVAEC QLMKTERPRP NTFVIRCLQW TTVIERTFHV DSPDEREEWI RAIQMVANSL KQRGPGEDAM DYKCGSPSDS STSEMMEVAV SKARAKVTMN DFDYLKLLGK GTFGKVILVR EKATGRYYAM KILRKEVIIA KDEVAHTVTE SRVLQNTRHP FLTALKYAFQ THDRLCFVME YANGGDLFFH LSRERVFTED RARFYGAEIV SALEYLHSTD VVYRDIKLEN LMLDKDGHIK ITDFGLSKEG ISDGATMKTF CGTPEYLAPE VLEDNDYGRA VDWWGLGVVM YEMMCGRLPF YNQDHERLFE LILMEEIRFP RTLGPEAKSL LAGLLKKDPK QRLGGGPSDA KEVMEHRFFL SINWQDVVQK KLLPPFKPQV TSEVDTRYFD DEFTAQSITI TPPDRYDSLG SLELDQRTHF PQFSYSASIR E
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	AKT2
Alternative Name:	RAC-beta serine/threonine-protein kinase (Akt2) (AKT2 Products)
Background:	Recommended name: RAC-beta serine/threonine-protein kinase. EC= 2.7.11.1. Alternative name(s): Protein kinase Akt-2 Protein kinase B beta. Short name= PKB beta RAC-PK-beta
UniProt:	P47197
Pathways:	PI3K-Akt Signaling, RTK Signaling, AMPK Signaling, TLR Signaling, Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process, Hepatitis C, VEGF Signaling

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Handling

Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.

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