

Datasheet for ABIN7596320
AKT3 Protein (AA 1-479) (His tag)



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Overview

Quantity:	250 µg
Target:	AKT3
Protein Characteristics:	AA 1-479
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKT3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MSDVTIVKEG WVQKRGEYIK NWRPRYFLK TDGSFIGYKE KPQDVDLPYP LNNFSVAKCQ LMKTERPKPN TFIIRCLQWT TVIERTFHVD TPEEREEWTE AIQAVADRLQ RQEEERMNCS PTSQIDNIGE EEMDASTTHH KRKTMNDFDY LKLLGKGTFG KVILVREKAS GKYYAMKILK KEVIAKDEV AHTLTESRVL KNTRHPFLTS LKYSFQTKDR LCFVMEYVNG GELFFHLSRE RVFSEDRTRF YGAEIVSALD YLHSGKIVYR DLKLENLMLD KDGHKITDF GLCKEGITDA ATMKTFCGTP EYLAPEVLED NDYGRAVDWW GLGVVMYEMM CGRLPFYNQD HEKLFELILM EDIKFPRTL SDAKSLLSGL LIKDPNKRLG GGPDDAKEIM RHSFFSGVNW QDVYDKKLVP PFKPQVTSET DTRYFDEEFT AQTITITPPE KYDEDGMDCM DNERRPHFPQ FSYSASGRE
Purity:	> 90% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	AKT3
Alternative Name:	Akt3 (AKT3 Products)
Background:	Akt3, also known as RAC-gamma serine/threonine-protein kinase, is a member of the Akt subfamily of serine/threonine protein kinases. It is one of 3 closely related serine/threonine-protein kinases (Akt1, Akt2 and Akt3) called the Akt kinase, and which regulate many processes including metabolism, proliferation, cell survival, growth and angiogenesis. Also this is mediated through serine and/or threonine phosphorylation of a range of downstream substrates. Akt3 is the least studied Akt isoform. It plays an important role in brain development and is crucial for the viability of malignant glioma cells. Recombinant human Akt3, fused to His-tag at C-terminus, was expressed in HEK293 and purified by using conventional chromatography techniques.
Molecular Weight:	56.5kDa (485aa)
NCBI Accession:	NP_005456
Pathways:	PI3K-Akt Signaling , RTK Signaling , TLR Signaling , Hepatitis C , VEGF Signaling

Application Details

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

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.