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# Datasheet for ABIN2714520 AKT3 Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)



2 Images

## Overview

Quantity:	20 µg
Target:	AKT3
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This AKT3 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Functional Studies (Func), Antibody Production (AbP), Standard (STD), Protein Interaction (PI)
Product Details	
Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	<ul> <li>Recombinant human AKT3 / PKB gamma (transcript variant 1) protein expressed in HEK293 cells.</li> </ul>
	Produced with end-sequenced ORF clone
	Tested for bioactivity.
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Biological Activity Comment:	AKT3 activity verified in a biochemical assay:,AKT3 activity verified in a biochemical assay:
Target Details	

#### Target:

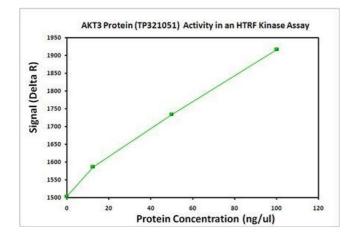
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN2714520 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

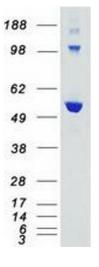
AKT3

Target Details	
Alternative Name:	Akt3,pkb gamma (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.
Molecular Weight:	55.6 kDa
NCBI Accession:	NP_005456
Pathways:	PI3K-Akt Signaling, RTK Signaling, TLR Signaling, Hepatitis C, VEGF Signaling
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
	Protein-protein interaction
	In vitro biochemical assays and cell-based functional assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only
Handling	
Concentration:	> 50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze

immediately. Only 2-3 freeze thaw cycles are recommended.

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# **Activity Assay**

Image 1. Bioactivity measured with Activity Assay

### Western Blotting

Image 2. Validation with Western Blot

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