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Datasheet for ABIN2726085 **MKNK2 Protein (His tag)**

Image



Overview

Quantity:	50 µg
Target:	MKNK2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MKNK2 protein is labelled with His tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human MKNK2 (full length, N-term HIS tag, transcript variant 1) protein expressed in E. coli. Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	MKNK2
Alternative Name:	Mknk2 (MKNK2 Products)
Background:	This gene encodes a member of the calcium/calmodulin-dependent protein kinases (CAMK) Ser/Thr protein kinase family, which belongs to the protein kinase superfamily. This protein contains conserved DLG (asp-leu-gly) and ENIL (glu-asn-ile-leu) motifs, and an N-terminal polybasic region which binds importin A and the translation factor scaffold protein eukaryotic

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	initiation factor 4G (elF4G). This protein is one of the downstream kinases activated by mitogen-activated protein (MAP) kinases. It phosphorylates the eukaryotic initiation factor 4E (elF4E), thus playing important roles in the initiation of mRNA translation, oncogenic transformation and malignant cell proliferation. In addition to elF4E, this protein also interacts
	with von Hippel-Lindau tumor suppressor (VHL), ring-box 1 (Rbx1) and Cullin2 (Cul2), which are
	transcript variants have been found, but the full-length nature and biological activity of only two
	variants are determined. These two variants encode distinct isoforms which differ in activity
	and regulation, and in subcellular localization.
Molecular Weight:	46.5 kDa
NCBI Accession:	NP_060042
Pathways:	MAPK 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
Comment:	The tag is located at the N-terminal.
Restrictions:	For Research Use only
Handling	
Handling Concentration:	50 µg/mL
Handling Concentration: Buffer:	50 μg/mL 25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl.
Handling Concentration: Buffer: Storage:	50 μg/mL 25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl. -80 °C
Handling Concentration: Buffer: Storage: Storage Comment:	50 μg/mL 25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl. -80 °C Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze

122 -	-	
86 -	-	
67 -	-	
49 -	-	
40 -	-	
30 -	-	
25 -	-	
16 - 12 -	_	

Western Blotting

Image 1. Validation with Western Blot

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