antibodies

Datasheet for ABIN7317057 DAP Kinase 1 Protein (AA 1-363) (GST tag,His tag)



Overview

Image

Quantity:	50 µg
Target:	DAP Kinase 1 (DAPK1)
Protein Characteristics:	AA 1-363
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This DAP Kinase 1 protein is labelled with GST tag, His tag.

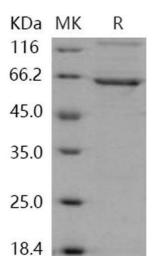
Product Details

Purpose:	Recombinant Human DAPK1/DAP Kinase 1 Protein (aa 1-363, His & GST Tag)(Active)
Sequence:	Met 1-Leu 363
Characteristics:	A DNA sequence encoding the N-terminal segment of human DAPK1 (P53355-1) (Met 1-Leu 363) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 80 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be 20 nmol/min/mg using synthetic R11-S6-Peptide (R11-IAKRRRLSSLRASTSKSESSQK) as substrate.

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Target Details	
Target:	DAP Kinase 1 (DAPK1)
Alternative Name:	DAPK1/DAP Kinase 1 (DAPK1 Products)
Background:	Background: Death-associated protein kinase 1, also known as DAP kinase 1, DAPK1 and DAPK, is a cytoplasm protein which belongs to the protein kinase superfamily, CAMK Ser / Thr protein kinase family and DAP kinase subfamily. DAPK1 contains ten ANK repeats, one death domain and one protein kinase domain. DAPK1 is a calcium / calmodulin-dependent serine/threonine kinase which acts as a positive regulator of apoptosis. DAPK1 gene is a candidate tumor suppressor (TSG) and the abnormal methylation of DAPK1 gene has been found in many carcinomas. DAPK1 over-expression can induce cell apoptosis and inhibit tumor cell metastasis. DAPK1 gene over-expression could suppress PGCI3 cells malignant phenotype, inhibit PGCI3 cells growth, invasive, migration and adhesion ability, upregulate p53 gene and downregulate bcl-2 gene. Loss of activity of death-associated protein kinase 1 (DAPK1) may be an independent factor affecting survival of non-small cell lung cancer patients. DAPK1 promoter methylation might play a significant role in the progression of chronic myeloid leukemia (CML). Synonym: DAPK
Molecular Weight:	69.4 kDa
Pathways: Application Details	MAPK Signaling, Interferon-gamma Pathway
Restrictions:	For Research Use only
Handling	
Format:	Frozen, Liquid
Buffer:	Supplied as sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10 % glycerol
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

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Western Blotting

Image 1.

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