Datasheet for ABIN7198334

TRIB3 Protein (GST tag)

1 Image

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Overview

Quantity:	50 µg
Target:	TRIB3
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIB3 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human TRIB3/TRB3 Protein (GST Tag)
Sequence:	Met 1-Gly 358
Characteristics:	A DNA sequence encoding the human TRIB3 (NP_066981.2) (Met 1-Gly 358) was fused with the GST tag at N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TRIB3
Alternative Name:	TRIB3/TRB3 (TRIB3 Products)
Background:	Background: Tribbles homolog 3, also known as Neuronal cell death-inducible putative kinase, p65-interacting inhibitor of NF-kappa-B, SINK and TRIB3, is a Nucleus protein which belongs to the protein kinase superfamily and CAMK Ser/Thr protein kinase family and Tribbles subfamily.

Target Details

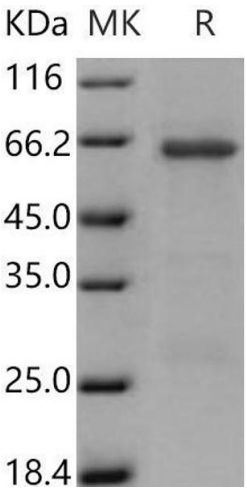
	Highest expression Of TRIB3 is in liver, pancreas, peripheral blood leukocytes and bone marrow. It is also highly expressed in a number of primary lung, colon and breast tumors. TRIB3 is expressed in spleen, thymus, and prostate and is undetectable in other examined tissues, including testis, ovary, small intestine, colon, leukocyte, heart, brain, placenta, lung, skeletal muscle, and kidney. TRIB3 disrupts insulin signaling by binding directly to Akt kinases and blocking their activation. TRIB3 may bind directly to and mask the 'Thr-308' phosphorylation site in AKT1. It binds to ATF4 and inhibits its transcriptional activation activity. TRIB3 interacts with the NF-kappa-B transactivator p65 RELA and inhibits its phosphorylation and thus its transcriptional activation activity. It interacts with MAPK kinases and regulates activation of MAP kinases. It may play a role in programmed neuronal cell death but does not appear to affect non-neuronal cells. TRIB3 does not display kinase activity. Synonym: C20orf97;NIPK;SINK;SKIP3;TRB3
Molecular Weight:	65.8 kDa
NCBI Accession:	NP_066981
Pathways:	Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Lipid Metabolism by PPARalpha

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile 50 mM Tris, 100 mM NaCl, pH 8.0, 0.5 mM Reduced Glutathione, 10 % glycerol, 0.5 mM PMSF
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.