Datasheet for ABIN7149561

anti-DAPK3 antibody (AA 283-401) (HRP)

Go to Product page

Overview

Quantity:	100 µg
Target:	DAPK3
Binding Specificity:	AA 283-401
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DAPK3 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Death-associated protein kinase 3 protein (283-401AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	DAPK3
Alternative Name:	DAPK3 (DAPK3 Products)
Background:	Background: Serine/threonine kinase which is involved in the regulation of apoptosis, autophagy, transcription, translation and actin cytoskeleton reorganization. Involved in the

Target Details

	regulation of smooth muscle contraction. Regulates both type I (caspase-dependent) apoptotic and type II (caspase-independent) autophagic cell deaths signal, depending on the cellular setting. Involved in regulation of starvation-induced autophagy. Regulates myosin phosphorylation in both smooth muscle and non-muscle cells. In smooth muscle, regulates myosin either directly by phosphorylating MYL12B and MYL9 or through inhibition of smooth muscle myosin phosphatase (SMPP1M) via phosphorylation of PPP1R12A, the inhibition of SMPP1M functions to enhance muscle responsiveness to Ca(2+) and promote a contractile state. Phosphorylates MYL12B in non-muscle cells leading to reorganization of actin cytoskeleton. Isoform 2 can phosphorylate myosin, PPP1R12A and MYL12B. Overexpression leads to condensation of actin stress fibers into thick bundles. Involved in actin filament focal adhesion dynamics. The function in both reorganization of actin cytoskeleton and focal adhesion dissolution is modulated by RhoD. Positively regulates canonical Wnt/beta-catenin signaling through interaction with NLK and TCF7L2. Phosphorylates RPL13A on \'Ser-77\' upon interferon-gamma activation which is causing RPL13A release from the ribosome, RPL13A association with the GAIT complex and its subsequent involvement in transcript-selective translation inhibition. Enhances transcription from AR-responsive promoters in a hormone- and kinase-dependent manner. Involved in regulation of cell cycle progression and cell proliferation. May be a tumor suppressor. Aliases: DAP kinase 3 antibody, DAP like kinase antibody, DAP-like kinase antibody, Dapk 3 antibody, DAPK3 antibody, DAPK3_HUMAN antibody, Death associated kinase 3 antibody, Death associated protein kinase 3 antibody, Death-associated protein kinase 3 antibody, Dlk antibody, EC 2.7.11.1 antibody, FLJ36473 antibody, MYPT1 kinase antibody, ZIP antibody, ZIP kinase antibody, ZIP kinase isoform antibody, ZIP-kinase antibody, ZIPK antibody, zipper-interacting protein kinase antibody
UniProt:	O43293

Application Details

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

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.