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Datasheet for ABIN7162687

Overview

Purification:

Target:

Target Details

Alternative Name:

Background:

anti-PASK antibody (AA 482-602) (HRP)

PASK

>95%, Protein G purified

PASK (PASK Products)

Quantity:	100 μg
Target:	PASK
Binding Specificity:	AA 482-602
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PASK antibody is conjugated to HRP
Application:	ELISA
Product Details	
Immunogen:	Recombinant Human PAS domain-containing serine/threonine-protein kinase protein (482-
	602AA)
Isotype:	IgG
Cross-Reactivity:	Human

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Background: Serine/threonine-protein kinase involved in energy homeostasis and protein

translation. Phosphorylates EEF1A1, GYS1, PDX1 and RPS6. Probably plays a role under changing environmental conditions (oxygen, glucose, nutrition), rather than under standard conditions. Acts as a sensor involved in energy homeostasis: regulates glycogen synthase synthesis by mediating phosphorylation of GYS1, leading to GYS1 inactivation. May be involved in glucose-stimulated insulin production in pancreas and regulation of glucagon secretion by glucose in alpha cells, however such data require additional evidences. May play a role in regulation of protein translation by phosphorylating EEF1A1, leading to increase translation efficiency. May also participate to respiratory regulation.

Aliases: DKFZP4340051 antibody, DKFZp686P2031 antibody, hPASK antibody, KIAA0135 antibody, MGC93882 antibody, mKIAA0135 antibody, PAS domain containing serine/threonine kinase antibody, PAS domain containing serine/threonine protein kinase antibody, PAS domain-containing serine/threonine-protein kinase antibody, PAS kinase antibody, PAS serine/threonine kinase antibody, PAS-kinase antibody, PAS-kinase antibody, PASKIN antibody, STK 37 antibody, STK37 antibody

UniProt: Q96RG2

Pathways: Regulation of Carbohydrate Metabolic Process

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
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.