

Datasheet for ABIN7162684  
**anti-PASK antibody (AA 482-602)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	PASK
Binding Specificity:	AA 482-602
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PASK antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human PAS domain-containing serine/threonine-protein kinase protein (482-602AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	PASK
Alternative Name:	PASK ( <a href="#">PASK Products</a> )
Background:	Background: Serine/threonine-protein kinase involved in energy homeostasis and protein

## Target Details

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, Pask antibody, PASK\_HUMAN antibody, PASKIN antibody, STK 37 antibody, STK37 antibody

UniProt: [Q96RG2](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Application Notes: Recommended dilution: IF:1:200-1:500,

Restrictions: For Research Use only

## Handling

Format: Liquid

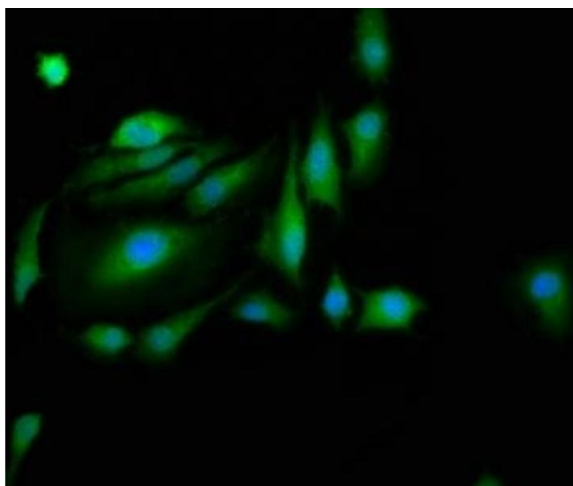
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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.



#### Immunofluorescence

**Image 1.** Immunofluorescence staining of HeLa cells with ABIN7162684 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).