.-online.com antibodies

Datasheet for ABIN5611225 anti-PRKAB2 antibody (AA 1-120)

4 Images



Overview

Quantity:	0.1 mg
Target:	PRKAB2
Binding Specificity:	AA 1-120
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human PRKAB2 (AA: 1-120) expressed in E. coli.
Clone:	7A8C3
Isotype:	lgG2b
Purification:	purified

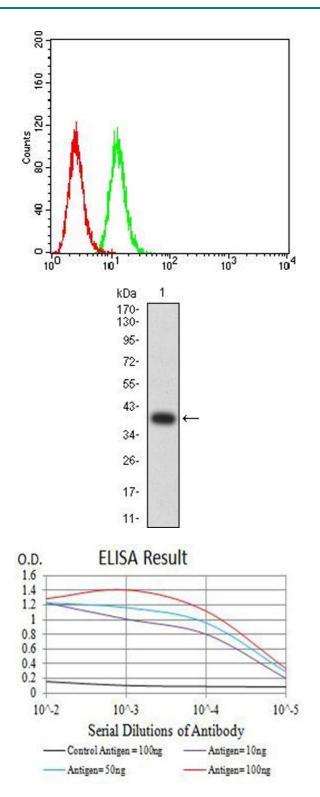
Target Details

Target:	PRKAB2
Alternative Name:	PRKAB2 (PRKAB2 Products)
Background:	The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta
	and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN5611225 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

Target Details

	energy status. In response to cellular metabolic stresses, AMPK is activated, and thus
	phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-
	methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo
	biosynthesis of fatty acid and cholesterol. This subunit may be a positive regulator of AMPK
	activity. It is highly expressed in skeletal muscle and thus may have tissue-specific roles.
	Multiple alternatively spliced transcript variants have been found for this gene.
Molecular Weight:	30.3 kDa
Gene ID:	5565
HGNC:	5565
Pathways:	AMPK Signaling, Warburg Effect
Application Details	
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: N/A
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



Flow Cytometry

Image 1. Flow cytometric analysis of Hela cells using PRKAB2 mouse mAb (green) and negative control (red).

Western Blotting

Image 2. Western blot analysis using PRKAB2 mAb against human PRKAB2 (AA: 1-120) recombinant protein. (Expected MW is 39 kDa)

ELISA

Image 3. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Please check the product details page for more images. Overall 4 images are available for ABIN5611225.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN5611225 | 09/10/2023 | Copyright antibodies-online. All rights reserved.