



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## PRKAB1 monoclonal antibody (M02), clone 2C3

Catalog # : H00005564-M02

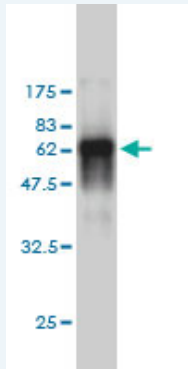
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a full length recombinant PRKAB1.
<b>Immunogen:</b>	PRKAB1 (AAH01007, 1 a.a. ~ 270 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	MGNTSSERAALERHGGHKT PRRDSSGGTKDGRPKILMDSPEDADLFH SEEIKAPEKEEFLAWQHDLEVNDKAPAQARPTVFRWTGGGKEVYLSGS FNNWSKLP LTRSHNNFVAILDLPEGEHQYKFFVDGQWTHDPSEPVT SQ LGTVNNIQVKKTD FEVFDALMVDSQKCSDVSELSSSPGYPYHQEPYVCK PEERFRAPPILPPLLQVILNKDTGISCDPALLPEPNHVMLNHLALS IKDG VMVLSATHRYKKKYVTLLYKPI
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2a Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (55.44 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

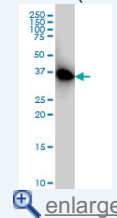
**Datasheet:** [Download](#)

### Applications

Western Blot (Cell lysate)

### Application Image

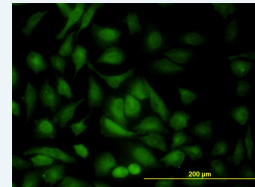
Western Blot (Cell lysate)



[enlarge](#)

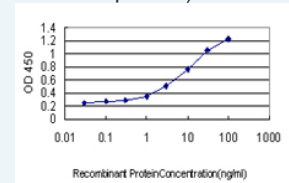
Western Blot (Recombinant protein)

Immunofluorescence



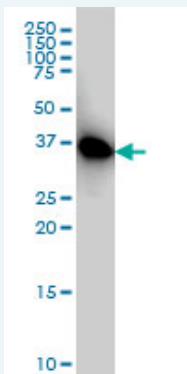
[enlarge](#)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



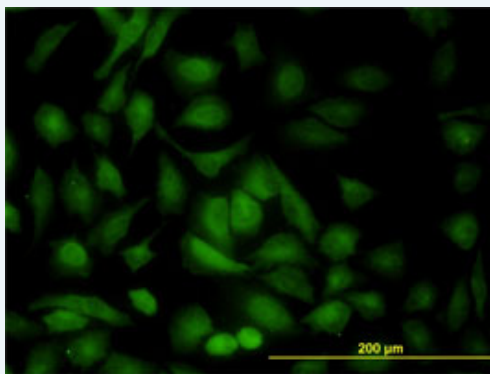
PRKAB1 monoclonal antibody (M02), clone 2C3 Western Blot analysis of PRKAB1 expression in HeLa ( Cat # L013V1 ).

[Protocol Download](#)

#### Western Blot (Recombinant protein)

[Protocol Download](#)

#### Immunofluorescence

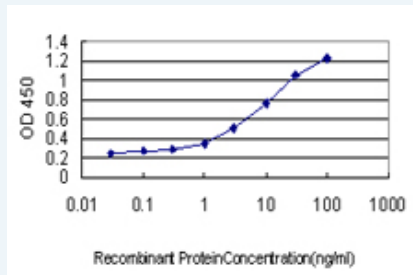


[enlarge this image](#)

Immunofluorescence of monoclonal antibody to PRKAB1 on HeLa cell. [antibody concentration 10 ug/ml]

[Protocol Download](#)

#### Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged PRKAB1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

#### ELISA

#### Gene Information

Entrez GeneID: [5564](#)

GeneBank [BC001007](#)  
Accession#:

Protein [AAH01007](#)  
Accession#:

Gene Name: PRKAB1

Gene Alias: AMPK,HAMPKb,MGC17785

**Gene Description:** protein kinase, AMP-activated, beta 1 non-catalytic subunit

**Omim ID:** [602740](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** 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 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. The myristoylation and phosphorylation of this subunit have been shown to affect the enzyme activity and cellular localization of AMPK. This subunit may also serve as an adaptor molecule mediating the association of the AMPK complex. [provided by RefSeq]

**Other Designations:** 5'-AMP-activated protein kinase beta-1 subunit,AMP-activated protein kinase beta 1 non-catalytic subunit,AMP-activated protein kinase beta subunit,AMPK beta -1 chain,AMPK beta 1,protein kinase, AMP-activated, noncatalytic, beta-1

#### Gene Pathway

[Adipocytokine signaling pathway](#) [Hypertrophic cardiomyopathy \(HCM\)](#)  
[Insulin signaling pathway](#)

#### Related Disease

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[Diabetes Mellitus, Type 2](#) [Drug Toxicity](#) [Edema](#) [Metabolic Syndrome X](#) [Neoplasms](#)  
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