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Lieferung & Zahlungsart

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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

www.szabo-scandic.com

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

PRKAA2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00005563-T02

規格 : [100 uL]

[List All](#)

Specification

Transfected Cell Line: 293T

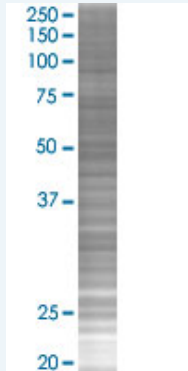
Plasmid: pCMV-PRKAA2 full-length

Host: Human

Theoretical MW (kDa): 62.3

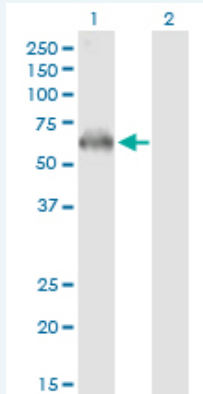
Quality Control Testing: Transient overexpression cell lysate was tested with Anti-PRKAA2 antibody ([H00005563-B01P](#)) by Western Blots.

SDS-PAGE Gel



PRKAA2 transfected lysate.

Western Blot



Lane 1: PRKAA2 transfected lysate (62.30 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer: 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Applications

Western Blot

Gene Information

Entrez GeneID: [5563](#)

GeneBank [NM_006252.2](#)
Accession#:

Protein [NP_006243.2](#)
Accession#:

Gene Name: PRKAA2

Gene Alias: AMPK,AMPK2,PRKAA

Gene Description: protein kinase, AMP-activated, alpha 2 catalytic subunit

Omim ID: [600497](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a catalytic 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. Studies of the mouse counterpart suggest that this catalytic subunit may control whole-body insulin sensitivity and is necessary for maintaining myocardial energy homeostasis during ischemia. [provided by RefSeq]

Other Designations: 5'-AMP-activated protein kinase, catalytic alpha-2 chain,AMP-activated protein kinase alpha 2 catalytic subunit,AMPK-alpha-2 chain,OTTHUMP0000009993

Gene Pathway

[Adipocytokine signaling pathway](#) [Hypertrophic cardiomyopathy \(HCM\)](#)
[Insulin signaling pathway](#) [mTOR signaling pathway](#) [Regulation of autophagy](#)

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[Diabetes Mellitus](#) [Diabetes Mellitus, Type 2](#) [Drug Toxicity](#) [Edema](#)
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