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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 purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00005563-D01P

規格 : [100 ug]

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Specification

Product Description: Rabbit polyclonal antibody raised against a full-length human PRKAA2 protein.

Immunogen: PRKAA2 (NP_006243.2, 1 a.a. ~ 552 a.a) full-length human protein.

Sequence:
 MAEKQKHDGRVKIGHYVLGDTLGVGTFGKVKIGEHLTGHKVAVKILNR
 QKIRSLDVVGKIKREIQNLKFRPHIILYQVISTPTDFFMVMEYVSGGEL
 FDYICKHGRVEEMEARRLFQQILSAVDYCHRHMVHRDLKPENVLLDAH
 MNAKIADFGLSNMMSDGEFLRTSCGSPNYAAPEVISGRLYAGPEVDIWS
 CGVILYALLCGTLPFDDEHVPTLFKKIRGGVFYIPEYLNRSVATLLMHMLQ
 VDPLKRATIKDIREHEWFKQDLPSYLPEDPSYDANVIDDEAVKEVCEKFE
 CTESEVMNSLYSGDPQDQLAVAYHLIIDNRRIMNQASEFYASSPPSGSF
 MDDSAMHIPPGLKPHPERMPPLIADSPKARCPDALNTTKPKSLAVKKAK
 WHLGIRSQSKPYDIMAEVYRAMKQLDFEWKVVNAYHLRVRKPNPVTGNY
 VKMSLQLYLVDNRSYLLDFKSIDDEVEQRSGSSTPQRSCSAAGLHRPR
 SSFDSTTAESHSLSGSLTGSLTGSTLSSVSPRLGSHTMDFEFMCASLITT
 LAR

Host: Rabbit

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: In 1x PBS, pH 7.4

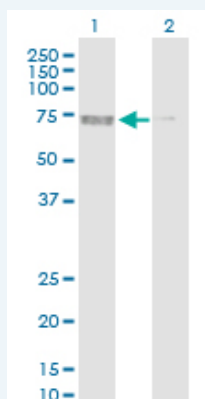
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Datasheet:  [Download](#)

Applications

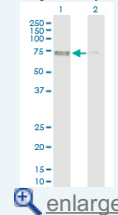
Western Blot (Transfected lysate)



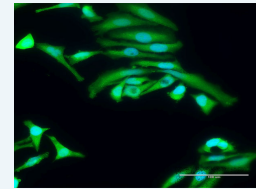
Western Blot analysis of PRKAA2 expression in transfected 293T cell line (H00005563-T02) by PRKAA2 MaxPab polyclonal antibody.

Application Image

Western Blot (Transfected lysate)



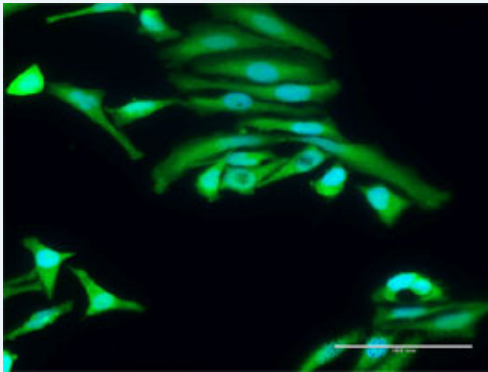
Immunofluorescence




Lane 1: PRKAA2 transfected lysate(62.30 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Immunofluorescence



 [enlarge this image](#)

Immunofluorescence of purified MaxPab antibody to PRKAA2 on HeLa cell. [antibody concentration 30 ug/ml]

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Gene Information

Entrez GeneID: [5563](#)

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

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

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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