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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKAA1 MaxPab mouse polyclonal antibody (B01) MaxPab®

Catalog # : H00005562-B01

規格 : [50 uL]

[List All](#)

Specification

Product Description: Mouse polyclonal antibody raised against a full-length human PRKAA1 protein.

Immunogen: PRKAA1 (AAH48980.1, 1 a.a. ~ 574 a.a) full-length human protein.

Sequence:
 MRRLSSWRKLATAEKQKHDGRVKIGHYILGDTLGVGTFGKVKVKGKHELT
 GHKVAVKILNRQKIRSLDVVGKIRREIQNLKFRHPHIKLYQVISTPSDIFMV
 MEYVSGGELFDYICKNGRKSDVPGVVKTGSTKELDEKESRRLFQQILSG
 VDYCHRHMVHRDLKPENVLLDAHMNKIADFGLSNMMSDGEFLRTSCG
 SPNYAAPEVISGRLYAGPEVDIWSSGVILYALLCGTLPFDDDHVPTLFKKI
 CDGIFYTPQYLNPSVISLLKHMLQVDPMKRATIKDIREHEWFKQDLPKYL
 PEDPSYSSTMIDDEALKEVCEKFECSSEEVLSCLYNRNHQDPLAVAYHLII
 DNRRIMNEAKDFYLATSPDSDLDDHHLTRPHPERVPLVAETPRARHTL
 DELNPQKSKHQGVRKAKWHLGIRSQSRPNDIMAEVCRAIKQLDYEWKVV
 NPYYLRVRRKNPVTSTYSKMSLQLYQVDSRTYLLDFRSIDDEITEAKSGT
 ATPQRSGSVSNYRSCQRSDSDAEAQKSSSEVSLTSSVTSLDSSPVDLT
 PRPGSHTIEFFEMCANLIKILAQ

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: No additive

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

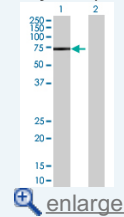
Note: For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

MSDS:  [Download](#)

Datasheet:  [Download](#)

Application Image

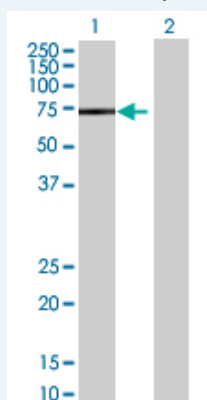
Western Blot (Transfected lysate)



 [enlarge](#)

Applications

Western Blot (Transfected lysate)



Western Blot analysis of PRKAA1 expression in transfected 293T cell line ([H00005562-T01](#)) by PRKAA1 MaxPab polyclonal antibody.

Lane 1: PRKAA1 transfected lysate(63.14 KDa).

Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [5562](#)

GeneBank Accession#: [BC048980.1](#)

Protein Accession#: [AAH48980.1](#)

Gene Name: PRKAA1

Gene Alias: AMPK,AMPKa1,MGC33776,MGC57364

Gene Description: protein kinase, AMP-activated, alpha 1 catalytic subunit

Omim ID: [602739](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene belongs to the ser/thr protein kinase family. It is the catalytic subunit of the 5'-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

Other Designations: 5'-AMP-activated protein kinase, catalytic alpha-1 chain,AMP -activate kinase alpha 1 subunit,AMP-activated protein kinase, catalytic, alpha-1,AMPK alpha 1

Gene Pathway

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

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