

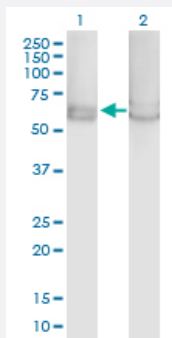
MaxPab®

PRKAA1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005562-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PRKAA1 expression in transfected 293T cell line ([H00005562-T02](#)) by PRKAA1 MaxPab polyclonal antibody.

Lane 1: PRKAA1 transfected lysate (63.14 kDa).

Lane 2: Non-transfected lysate.

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	MRRLLSSWRKLATAEKQKHDGRVKIGHYLGDTLGVGTFGKVKVGKHELTGHKVAVKILNRQKIRSL DVVGKIRREIQNLKLFRRHPHIKLYQVISTPSDIFMVMEYVSGGELFDYICKNGRKSDVPGVVKTGST KELDEKESRRLFQQILSGVDYCHRHMVVRDLKPENVLLDAHMNAKIADFGLSNMMSDGEFLRT SCGSPNYAAPEVISGRLYAGPEVDIWSSGVILYALLCGTLPFDDDHVPTLFKKICDGIFYTPQYLN SVISLLKHMQLQVDPMKRATIKDIREHEWFKQDLPKYLPEDPSYSSTMIDDEALKEVCEKFECSEE EVLSCLYNRNHQDPLAVAYHLIDNRRIMNEAKDFYLATSPDPSFLDDHHLTRPHERVPFLVAETP RARHTLDELNPQKSKHQGVKAKWHLGIRSQSRPNDIMAEVCRAIKQLDYEWKVVNPYYLRVRR KNPVTSTYSKMSLQLYQVDSRTYLLDFRSIDDEITEAKSGTATPQRSGSVSNYRSCQRSDSDAEA QGKSSEVSLTSSVTSLDSSPVDLTPRPGSHTIEFFEMCANLIKILAQ
Host	Mouse
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.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PRKAA1 expression in transfected 293T cell line ([H00005562-T02](#)) by PRKAA1 MaxPab polyclonal antibody.

Lane 1: PRKAA1 transfected lysate(63.14 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — PRKAA1

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

Pathway

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

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Colonic Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Hypercholesterolemia](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Rectal Neoplasms](#)