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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

www.szabo-scandic.com

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

PRKAR2A MaxPab mouse polyclonal antibody (B01)
MaxPab®
Catalog # : H00005576-B01

規格 : [50 uL]

[List All](#)
Specification

Product Description: Mouse polyclonal antibody raised against a full-length human PRKAR2A protein.

Immunogen: PRKAR2A (AAH02763, 1 a.a. ~ 382 a.a) full-length human protein.

Sequence: MSHIQIPPGLTELLQGYTVEVLRQQPPDLVEFAVEYFTRLREARAPASVL
PAATPRQSLGHPPPEPGPDRVADAKGDSESEDEDELEVPVPSRFNRRV
SVCAETYNPDEEEEDTDPRIHPKTDEQRCRLQEACKDILLFKNLDQEQQL
SQVLDAMFERIVKADEHVIDQGDDGDNFYVIERGTIDILVTKDNQTRSVG
QYDNRGSFGELALMYNTPRAATIVATSEGLWGLDRVTFRRIVKNNAKK
RKMFSFIESVPLLKSLEVSERMKIVDVIGEKIYKGERIITQTKSNKDGGN
QEVEIARCHKGQYFGELALVTNKPRASAYAVGDVKCLVMDVQAFERLL
GPCMDIMKRNISHYEEQLVKMFGSSVDLGNLGQ

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.

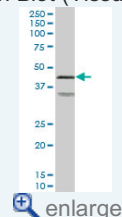
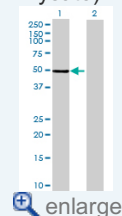
Note: For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

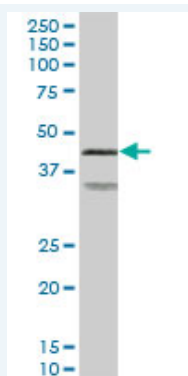
MSDS:  [Download](#)

Datasheet:  [Download](#)

Publication Reference

1. Myomegalin is a novel A-kinase anchoring protein involved in the phosphorylation of cardiac myosin binding protein C.
Uys GM, Ramburan A, Loos B, Kinnear CJ, Korkie LJ, Mouton J, Riedemann J, Moolman-Smook JC. BMC Cell Biol. 2011 May 10;12:18.

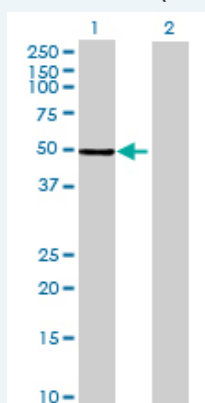
Applications
Western Blot (Tissue lysate)
Application Image
Western Blot (Tissue lysate)

Western Blot (Transfected lysate)




PRKAR2A MaxPab polyclonal antibody. Western Blot analysis of PRKAR2A expression in human colon.

 [Protocol Download](#)

Western Blot (Transfected lysate)



Western Blot analysis of PRKAR2A expression in transfected 293T cell line ([H00005576-T01](#)) by PRKAR2A MaxPab polyclonal antibody.

Lane1:PRKAR2A transfected lysate(42.02 KDa).

Lane2:Non-transfected lysate.

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Gene Information

Entrez GeneID: [5576](#)

GeneBank [BC002763](#)

Accession#:

Protein [AAH02763](#)

Accession#:

Gene Name: PRKAR2A

Gene Alias: MGC3606,PKR2,PRKAR2

Gene Description: protein kinase, cAMP-dependent, regulatory, type II, alpha

Omim ID: [176910](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have

been identified in humans. The protein encoded by this gene is one of the regulatory subunits. This subunit can be phosphorylated by the activated catalytic subunit. It may interact with various A-kinase anchoring proteins and determine the subcellular localization of cAMP-dependent protein kinase. This subunit has been shown to regulate protein transport from endosomes to the Golgi apparatus and further to the endoplasmic reticulum (ER). [provided by RefSeq]

Other Designations: cAMP-dependent protein kinase regulatory subunit RII alpha, cAMP-dependent protein kinase, regulatory subunit alpha 2, protein kinase A, RII-alpha subunit

Gene Pathway

[Apoptosis](#) [Insulin signaling pathway](#)

Related Disease

[Genetic Predisposition to Disease](#) [Schizophrenia](#) [Schizophrenia](#)

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