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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKAR2B polyclonal antibody (A01)

Catalog # : H00005577-A01

規格 : [50 uL]

List All

Specification

Product Description: Mouse polyclonal antibody raised against a partial recombinant PRKAR2B.

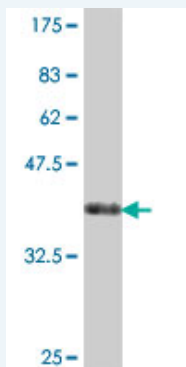
Immunogen: PRKAR2B (NP_002727, 304 a.a. ~ 413 a.a) partial recombinant protein with GST tag.

Sequence: IAQGDSADSFFIVESGEVKITMKRKGKSEVEENGAVEIARCSRGGQYFGEL
ALVTNKPRAASAHAIQTVKCLAMDVQAFERLLGPCMEIMKRNIATYEEQL
VALFGTNMDI

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (38.21 KDa) .

Storage Buffer: 50 % glycerol

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

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

Western Blot (Recombinant protein)

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [5577](#)

GeneBank Accession#: [NM_002736](#)

Application Image

Western Blot (Recombinant protein)

ELISA

Protein Accession#: [NP_002727](#)

Gene Name: PRKAR2B

Gene Alias: PRKAR2,RII-BETA

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

Omim ID: [176912](#)

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. This subunit has been shown to interact with and suppress the transcriptional activity of the cAMP responsive element binding protein 1 (CREB1) in activated T cells. Knockout studies in mice suggest that this subunit may play an important role in regulating energy balance and adiposity. The studies also suggest that this subunit may mediate the gene induction and cataleptic behavior induced by haloperidol. [provided by RefSeq]

Other Designations: H_RG363E19.2,WUGSC:H_RG363E19.2,cAMP-dependent protein kinase type II-beta regulatory chain,cAMP-dependent protein kinase, regulatory subunit beta 2

Gene Pathway

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

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