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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKAR2A 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00005576-T01

規格 : [100 uL]

List All

Specification

Transfected Cell Line: 293T

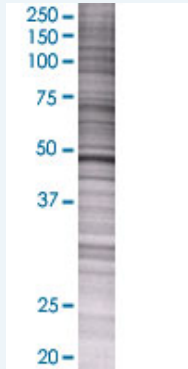
Plasmid: pCMV-PRKAR2A full-length

Host: Human

Theoretical MW (kDa): 42.13

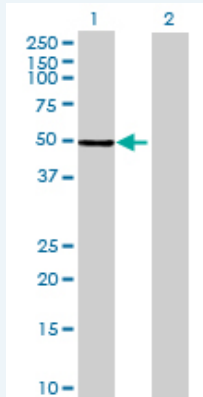
Quality Control Testing: Transient overexpression cell lysate was tested with Anti-PRKAR2A antibody (H00005576-B01) by Western Blots.

SDS-PAGE Gel



PRKAR2A transfected lysate.

Western Blot



Lane 1: PRKAR2A transfected lysate (42.13 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer: 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Applications

Application Image

Western Blot

Western Blot

Gene Information

Entrez GeneID: [5576](#)

GeneBank Accession#: [BC002763](#)

Protein Accession#: [AAH02763](#)

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](#)