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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKAR1A polyclonal antibody (A01)

Catalog # : H00005573-A01

規格 : [50 uL]

List All

Specification

Product Description: Mouse polyclonal antibody raised against a partial recombinant PRKAR1A.

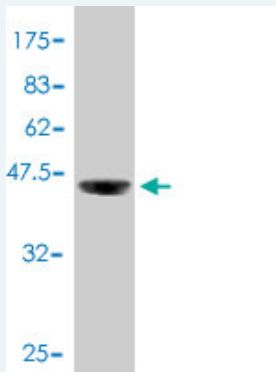
Immunogen: PRKAR1A (AAH36285, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag.

Sequence: MESHGTAASEEARSLRECELYVQKHNIQALLKDSIVQLCTARPERPMAFLREYFERLEKEEAKQIQNLQKAGTRTDSREDEISPPPPNPVVKGRRRRRGAI

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37 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: [5573](#)

GeneBank Accession#: [BC036285](#)

Protein [AAH36285](#)

Accession#:

Gene Name: PRKAR1A

Gene Alias: CAR,CNC,CNC1,DKFZp779L0468,MGC17251,PKR1,PPNAD1,PRKAR1,TSE1

Gene Description: protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)

Omim ID: [160980](#), [188550](#), [188830](#), [255960](#), [610489](#)

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. This gene encodes one of the regulatory subunits. This protein was found to be a tissue-specific extinguisher that down-regulates the expression of seven liver genes in hepatoma x fibroblast hybrids. Mutations in this gene cause Carney complex (CNC). This gene can fuse to the RET protooncogene by gene rearrangement and form the thyroid tumor-specific chimeric oncogene known as PTC2. A nonconventional nuclear localization sequence (NLS) has been found for this protein which suggests a role in DNA replication via the protein serving as a nuclear transport protein for the second subunit of the Replication Factor C (RFC40). Three alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq]

Other Designations: cAMP-dependent protein kinase regulatory subunit RIalpha,cAMP-dependent protein kinase type I-alpha regulatory chain,cAMP-dependent protein kinase, regulatory subunit alpha 1,protein kinase A type 1a regulatory subunit,tissue-specific extinguisher 1

Gene Pathway

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

Related Disease

[Adenoma](#) [Adrenal Cortex Diseases](#) [Adrenal Cortex Neoplasms](#) [Cushing Syndrome](#)
[Genetic Predisposition to Disease](#) [Myxoma](#) [Thyroid Neoplasms](#)