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Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKAR1A Antibody - C-terminal region : Biotin (ARP57832_P050-Biotin)

Data Sheet

Product Number	ARP57832_P050-Biotin
Product Page	www.avivasysbio.com/prkar1a-antibody-c-terminal-region-biotin-arp57832-p050-biotin.html
Name	PRKAR1A Antibody - C-terminal region : Biotin (ARP57832_P050-Biotin)
Protein Size (# AA)	381 amino acids
Molecular Weight	43kDa
Conjugation	Biotin
NCBI Gene Id	5573
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)
Alias Symbols	CAR, CNC, CNC1, PKR1, TSE1, ADOHR, PPNAD1, PRKAR1, ACRDYS1
Peptide Sequence	Synthetic peptide located within the following region: MNRPRAATVVARGPLKCVKLDRPRFERVLGPCSDILKRNIQQYNSFVSLS
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	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.
Protein Interactions	UBC; RAF1; MAPT; CEP250; GSK3B; AGO3; AGO2; ARPC3; PFDN5; DYRK1B; SET; DYRK1A; PLEKHF2; AKAP10; SOX2; PRKACB; PRKACA; NPM1; CAPN11; RFC2; PPP1CA; SMAD2; HIVEP1; SETD7; PRPF40A; CDK2; CCNE1; SMURF1; Akap7; MEN1; HSP90AA4P; SLC38A5; PRPF31; SAFB; UBD; PATZ1
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-PRKAR1A (ARP57832_P050-Biotin) antibody
Blocking Peptide	For anti-PRKAR1A (ARP57832_P050-Biotin) antibody is Catalog # AAPP34326
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human PRKAR1A
Uniprot ID	P10644
Protein Name	cAMP-dependent protein kinase type I-alpha regulatory subunit
Protein Accession #	NP_997636
Purification	Affinity Purified
Nucleotide Accession #	NM_212471
Gene Symbol	PRKAR1A

Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 100%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

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Optimal conditions of its use should be determined by end users.

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