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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP56416_P050-Biotin
Product Page	www.avivasysbio.com/prkacb-antibody-middle-region-biotin-arp56416-p050-biotin.html
Name	PRKACB Antibody - middle region : Biotin (ARP56416_P050-Biotin)
Protein Size (# AA)	351 amino acids
Molecular Weight	40kDa
Conjugation	Biotin
NCBI Gene Id	5567
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Protein kinase, cAMP-dependent, catalytic, beta
Alias Symbols	CAFD2, PKACB, PKA C-beta
Peptide Sequence	Synthetic peptide located within the following region: NGVSDIKTHKWFATTDWIAIYQRKVEAPFIPKFRGSGDTSNFDDEEEDI
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. The protein encoded by this gene is a member of the Ser/Thr protein kinase family and is a catalytic subunit of cAMP-dependent protein kinase.
Protein Interactions	APPBP2; UBC; TP53RK; TPRKB; KIAA1279; ARPC2; ACTR2; ACTR3; ARPC1B; ARPC4; SUMO1; PFDN1; CDK5RAP2; MAPRE1; AKAP11; DCAF7; AKAP9; TRAP1; PDE4DIP; AKAP5; AKAP7; VAPA; VAPB; DYNLL1; AKAP1; RPS6; RPL27A; PRKAR2B; PRKAR2A; PRKAR1B; PRKAR1A; PRKACA; HSP90AB1; HS
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-PRKACB (ARP56416_P050-Biotin) antibody
Blocking Peptide	For anti-PRKACB (ARP56416_P050-Biotin) antibody is Catalog# AAP56416 (Previous Catalog # AAPP38725)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PRKACB
Uniprot ID	P22694
Protein Name	cAMP-dependent protein kinase catalytic subunit beta
Protein Accession #	NP_002722
Purification	Affinity Purified
Nucleotide Accession #	NM_002731
Gene Symbol	PRKACB
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: 92%; Zebrafish: 93%
Image 1	

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

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

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

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