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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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0


F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP57827_P050-FITC
Product Page	www.avivasysbio.com/prkaca-antibody-n-terminal-region-fitc-arp57827-p050-fitc.html
Name	PRKACA Antibody - N-terminal region : FITC (ARP57827_P050-FITC)
Protein Size (# AA)	343 amino acids
Molecular Weight	40kDa
Subunit	alpha
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	5566
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Protein kinase, cAMP-dependent, catalytic, alpha
Alias Symbols	CAFD1, PKACA, PPNAD4
Peptide Sequence	Synthetic peptide located within the following region: MASNSSDVKEFLAKAKEDFLKKWESPAQNTAHLDQFERIKTLGTGSFGRV
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. Alternatively spliced transcript variants encoding distinct isoforms have been observed.
Protein Interactions	MAPT; UBC; PALM2-AKAP2; NASP; MARCKS; CALU; CALR; TRMT10A; ARPC5L; AARSD1; UGDH; TPD52; SH3GL1; RPA2; SH3GLB1; UBQLN2; ARPC1A; ARPC2; ARPC3; ARPC5; smo; CYP3A4; GNA13; DYRK1B; TBXA2R; ITGA2B; GSK3B; PDE4D; EGFR; CALD1; BAD; HSP90AB1; HSP90AA1; C2orf88; CD
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-PRKACA (ARP57827_P050-FITC) antibody
Blocking Peptide	For anti-PRKACA (ARP57827_P050-FITC) antibody is Catalog# AAP57827 (Previous Catalog# AAPP44144)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PRKACA
Uniprot ID	D4ACM4
Protein Name	cAMP-dependent protein kinase catalytic subunit alpha Ensembl ENSRNOP00000007281
Protein Accession #	NP_997401
Purification	Affinity Purified
Nucleotide Accession #	NM_207518
Gene Symbol	PRKACA
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish

Application	WB, IHC
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	 A schematic diagram of a Y-shaped antibody molecule. It consists of two heavy chains (inner lines) and two light chains (outer lines) joined at their C-termini. The two heavy chains are connected to each other and to the two light chains, forming a Y-shape with two antigen-binding sites at the tips of the arms.

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.

AVIVA SYSTEMS BIOLOGY
6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | info@avivasysbio.com