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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	ARP56427_P050-Biotin
Product Page	www.avivasysbio.com/prkci-antibody-middle-region-biotin-arp56427-p050-biotin.html
Name	PRKCI Antibody - middle region : Biotin (ARP56427_P050-Biotin)
Protein Size (# AA)	596 amino acids
Molecular Weight	68kDa
Conjugation	Biotin
NCBI Gene Id	5584
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Protein kinase C, iota
Alias Symbols	PKCI, DXS1179E, nPKC-iota
Peptide Sequence	Synthetic peptide located within the following region: TVIPYNPSSHESLDQVGEEKEAMNTRESGKASSSLGLQDFDLRVIGRGS
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	This gene encodes a member of the protein kinase C (PKC) family of serine/threonine protein kinases. The PKC family comprises at least eight members, which are differentially expressed and are involved in a wide variety of cellular processes. This protein kinase is calcium-independent and phospholipid-dependent. It is not activated by phorbol esters or diacylglycerol. This kinase can be recruited to vesicle tubular clusters (VTCs) by direct interaction with the small GTPase RAB2, where this kinase phosphorylates glyceraldehyde-3-phosphate dehydrogenase (GAPD/GAPDH) and plays a role in microtubule dynamics in the early secretory pathway. This kinase is found to be necessary for BCL-ABL-mediated resistance to drug-induced apoptosis and therefore protects leukemia cells against drug-induced apoptosis. There is a single exon pseudogene mapped on chromosome X.
Protein Interactions	PAR6B; PAR6A; UBC; AMOT; SQSTM1; CRX; NPM1; IKBKG; YWHAE; IL1RAP; HSP90AA1; GAB1; CASP8; PAR3; APP; UBD; MAP2K5; MARK2; ARHGAP17; TJP1; ELAVL1; CDK7; MBP; TSC22D1; TTR; FABP4; PAR6G; MARK4; CDC37; RAPGEF2; PNMA1; NIPSNAP1; YWHAZ; YWHAH; MYO10; LLGL1;
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-PRKCI (ARP56427_P050-Biotin) antibody
Blocking Peptide	For anti-PRKCI (ARP56427_P050-Biotin) antibody is Catalog # AAP56427 (Previous Catalog # AAPP44482)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PRKCI
Uniprot ID	P41743
Protein Name	Protein kinase C iota type
Protein Accession #	NP_002731
Purification	Affinity Purified
Nucleotide Accession #	NM_002740
Gene Symbol	PRKCI
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
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%
Image 1	 A schematic diagram of an antibody molecule, represented as a Y-shape. It consists of two heavy chains (the inner vertical lines) and two light chains (the outer diagonal lines), all connected at their base. The two arms of the Y extend upwards and outwards, representing the antigen-binding sites.

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