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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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	ARP58652_P050-HRP
Product Page	www.avivasysbio.com/ppp1ca-antibody-n-terminal-region-hrp-arp58652-p050-hrp.html
Name	PPP1CA Antibody - N-terminal region : HRP (ARP58652_P050-HRP)
Protein Size (# AA)	341 amino acids
Molecular Weight	38kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	5499
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Protein phosphatase 1, catalytic subunit, alpha isozyme
Alias Symbols	PP1A, PP-1A, PPP1A, PP1alpha
Peptide Sequence	Synthetic peptide located within the following region: MSDSEKLNLDLSIIGRLLEGSRVLTTPHCAPVQGSRPGKNVQLTENEIRGLC
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Lesage,B., (2007) Biochemistry 46 (31), 8909-8919
Description of Target	PPP1CA is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Increased PP1 activity has been observed in the end stage of heart failure. Studies in both human and mice suggest that PP1 is an important regulator of cardiac function. Mouse studies also suggest that PP1 functions as a suppressor of learning and memory. The protein encoded by this gene is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Increased PP1 activity has been observed in the end stage of heart failure. Studies in both human and mice suggest that PP1 is an important regulator of cardiac function. Mouse studies also suggest that PP1 functions as a suppressor of learning and memory. Three alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Protein Interactions	HUWE1; PPP1R2P3; CSRN2; CSRN1; UBC; SUMO2; SUMO3; BRCA1; Kctd20; WWOX; PKM; SCPEP1; TMOD3; MAT2B; STK24; YWHAH; XPO1; TBCB; CAPNS1; ALDH7A1; ASNS; YAP1; LMTK2; RB1; POLR2A; GSK3B; MST1R; IKKBK; CHUK; CTDP1; TNFRSF1A; tat; PPP1R15A; PPP1R13B; PLCL2; CD2B
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-PPP1CA (ARP58652_P050-HRP) antibody
Blocking Peptide	For anti-PPP1CA (ARP58652_P050-HRP) antibody is Catalog # AAP58652 (Previous Catalog # AAPP35789)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PPP1CA
Uniprot ID	Q07161
Protein Name	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit
Sample Type Confirmation	PPP1CA is supported by BioGPS gene expression data to be expressed in Jurkat
Protein Accession #	NP_001008709

Purification	Affinity Purified
Nucleotide Accession #	NM_001008709
Gene Symbol	PPP1CA
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
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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6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | info@avivasysbio.com