

Rabbit PPP1CA Polyclonal Antibody | anti-PPP1CA antibody

PPP1CA antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200841	Rabbit	Cow, Dog, Guinea Pig, Human, Mouse, Rabbit, Rat	Western Blot

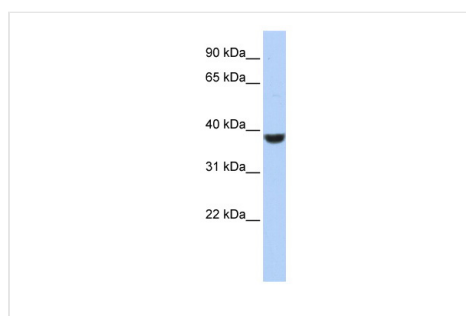
PRODUCT SYNONYMS

PPP1CA; Polyclonal Antibody; PPP1CA antibody - N-terminal region; anti-PPP1CA antibody

PRODUCT SPECIFICATIONS

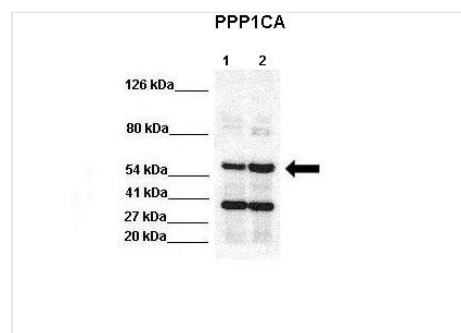
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MS DSEKLNLD SI IGRLLGSRV LTPHCAPVQG SRPGKNVQLT ENEIRGLC
Sequence Length	341
Applicable Applications for anti-PPP1CA antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PPP1CA
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-PPP1CA Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:1562500
Positive Control: Jurkat cell lysate
PPP1CA is supported by BioGPS gene expression data to be expressed in Jurkat



WB (Western Blot)

WB Suggested Anti-PPP1CA Antibody
Positive Control: Lane 1: 40ug HEK293 lysate Lane 2: 40ug H1299 lysate
Primary Antibody Dilution : 1:1000
Secondary Antibody : Goat anti-rabbit-HRP
Secondary Antibody Dilution : 1:5000
Submitted by: Jose Luis Rosa, Universitat de Barcelona

ADDITIONAL INFORMATION

Related Product Information for anti-PPP1CA antibody	This is a rabbit polyclonal antibody against PPP1CA. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-PPP1CA antibody	Polyclonal; Drugs and Drug Metabolism ; Cardiovascular ; Various ; Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	56790945
NCBI GeneID	5499
NCBI Accession #	NP_001008709
NCBI GenBank Nucleotide #	NM_001008709
UniProt Accession #	Q07161 ; P62136
Molecular Weight	38kDa
NCBI Official Full Name	serine/threonine-protein phosphatase PP1-alpha catalytic subunit isoform 3
NCBI Official Synonym Full Names	protein phosphatase 1 catalytic subunit alpha
NCBI Official Symbol	PPP1CA
NCBI Official Synonym Symbols	PP1A; PP-1A; PPP1A; PP1alpha
NCBI Protein Information	serine/threonine-protein phosphatase PP1-alpha catalytic subunit

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ppp1ca-antibody-western-blot-elisa/200841>