

Rabbit PP2A alpha Polyclonal Antibody | anti-PPP2CA antibody

PP2A alpha Antibody (C-term)

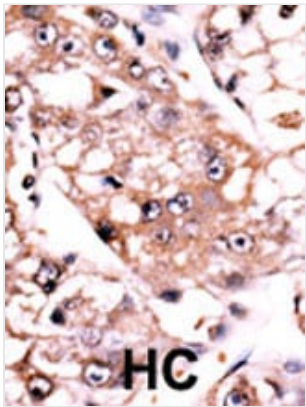
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290720	Rabbit	Human; Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rabbit, Rat, Drosophila	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

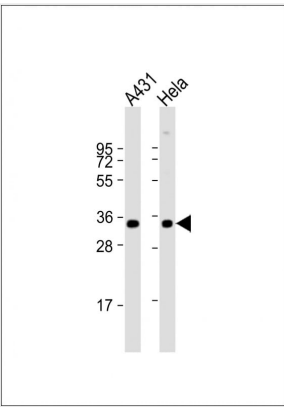
PP2A alpha; Polyclonal Antibody; PP2A alpha Antibody (C-term); Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform; PP2A-alpha; Replication protein C; RP-C; PPP2CA; anti-PPP2CA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human; Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rabbit, Rat, Drosophila
Clonality	Polyclonal
Isotype	Ig
Specificity	This PP2A alpha antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 274-304 amino acids from the C-terminal region of human PP2A alpha.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Length	309
Applicable Applications for anti-PPP2CA antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Subtitle	Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Cytoplasm. Nucleus. Chromosome, centromere. Cytoplasm, cytoskeleton, spindle pole. Note=In prometaphase cells, but not in anaphase cells, localizes at centromeres. During mitosis, also found at spindle poles. Centromeric localization requires the presence of SGOL2 (By similarity).
Antigen Region	274-304 aa
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
All lanes : Anti-PPP2CA/B Antibody (F289) at 1:1000 dilution
Lane 1: A431 whole cell lysate
Lane 2: HeLa whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 36 kDa
Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP2CA antibody	Description: PPP2CA/B represents the phosphatase 2A catalytic subunit. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. Background: PP2A is the major phosphatase for microtubule-associated proteins (MAPs). PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase. Cooperates with SGOL2 to protect centromeric cohesin from separase-mediated cleavage in oocytes specifically during meiosis I (By similarity). Can dephosphorylate SV40 large T antigen and p53/TP53. Activates RAF1 by dephosphorylating it at 'Ser-259'.
Product Categories/Family for anti-PPP2CA antibody	Primary Antibodies; Cancer; Cardiovascular; Cell Biology; Neuroscience; Signal Transduction
References	Gergs, U., et al., J. Biol. Chem. 279 (39):40827-40834 (2004). Prickett, T.D., et al., J. Biol. Chem. 279 (37):38912-38920 (2004). Scott, G.K., et al., EMBO J. 22 (23):6234-6244 (2003). Rao, R.K., et al., Biochem. Biophys. Res. Commun. 293 (1):610-616 (2002). Avdi, N.J., et al., J. Biol. Chem. 277 (43):40687-40696 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506017
NCBI GeneID	5515
NCBI Accession #	NP_002706.1
NCBI GenBank Nucleotide #	NM_002715.2
UniProt Accession #	P67775; P05323; P13197
Molecular Weight	35594 Da
NCBI Official Full Name	serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform
NCBI Official Synonym Full Names	protein phosphatase 2 catalytic subunit alpha
NCBI Official Symbol	PPP2CA
NCBI Official Synonym Symbols	RP-C; PP2Ac; PP2CA; PP2Calpha
NCBI Protein Information	serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform

UniProt Protein Name	Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform
UniProt Gene Name	PPP2CA
UniProt Synonym Gene Names	PP2A-alpha; RP-C
UniProt Entry Name	PP2AA_HUMAN

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/pp2a-alpha-antibody-immunohistochemistry-western-blot-elisa/290720>