

Rabbit PPP4C Polyclonal Antibody | anti-PPP4C antibody

PPP4C Antibody (Center)

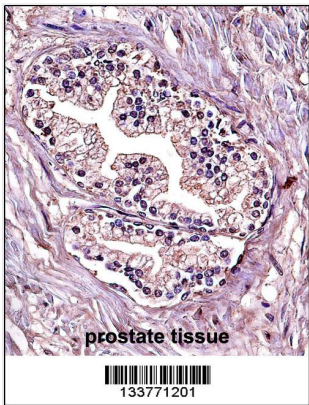
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286253	Rabbit	Human (Predicted Reactivity: Zebrafish, Bovine, Mouse, Rabbit, Rat, Xenopus)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

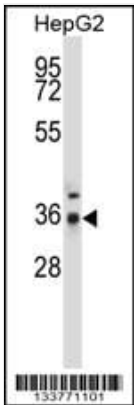
PPP4C; Polyclonal Antibody; PPP4C Antibody (Center); Serine/threonine-protein phosphatase 4 catalytic subunit; PP4C; Pp4; Protein phosphatase X; PP-X; PPP4; PPX; anti-PPP4C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Zebrafish, Bovine, Mouse, Rabbit, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PPP4C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 160-189 amino acids from the Central region of human PPP4C.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.35 (varies by lot)
Sequence Positions	160-189
Sequence Length	307
Applicable Applications for anti-PPP4C antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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)
PPP4C Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PPP4C Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PPP4C Antibody (Center) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the PPP4C antibody detected the PPP4C protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PPP4C antibody	Protein phosphatase that is involved in many processes such as microtubule organization at centrosomes, maturation of spliceosomal snRNPs, apoptosis, tumor necrosis factor (TNF)-alpha signaling, activation of c-Jun N-terminal kinase MAPK8, regulation of histone acetylation, DNA damage checkpoint signaling, NF-kappa-B activation and cell migration. The PPP4C-PPP4R1 PP4 complex may play a role in dephosphorylation and regulation of HDAC3. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AFX phosphorylated on Ser-140 (gamma-H2AFX) generated during DNA replication and required for DNA DSB repair. Dephosphorylates NDEL1 at CDK1 phosphorylation sites and negatively regulates CDK1 activity in interphase (By similarity).
Product Categories/Family for anti-PPP4C antibody	Signal Transduction
References	Lee, D.H., et al. Nat. Struct. Mol. Biol. 17(3):365-372(2010) Mourtada-Maarabouni, M., et al. Leuk. Res. 33(11):1539-1551(2009) Kumar, R.A., et al. PLoS ONE 4 (2), E4582 (2009) : Chen, G.I., et al. J. Biol. Chem. 283(43):29273-29284(2008) Nakada, S., et al. EMBO Rep. 9(10):1019-1026(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506027
NCBI GeneID	5531
NCBI Accession #	NP_002711.1
NCBI GenBank Nucleotide #	NM_002720.2
UniProt Accession #	P60510; P33172
Molecular Weight	35080
NCBI Official Full Name	serine/threonine-protein phosphatase 4 catalytic subunit isoform 1
NCBI Official Synonym Full Names	protein phosphatase 4, catalytic subunit
NCBI Official Symbol	PPP4C
NCBI Official Synonym Symbols	PP4; PPX; PP-X; PP4C; PPH3; PPP4
NCBI Protein Information	serine/threonine-protein phosphatase 4 catalytic subunit
UniProt Protein Name	Serine/threonine-protein phosphatase 4 catalytic subunit

UniProt Gene Name	PPP4C
UniProt Synonym Gene Names	PPP4; PPX; PP4C; Pp4; PP-X
UniProt Entry Name	PP4C_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ppp4c-antibody-immunohistochemistry-western-blot-elisa/286253>