Mouse anti-Human Protein Phosphatase 4C Monoclonal Antibody | anti-PPP4C antibody

Protein Phosphatase 4C Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290522	**Mouse**	**Human**	**Immunohistochemistry, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

Protein Phosphatase 4C; Monoclonal Antibody; Protein Phosphatase 4C Antibody; Purified Mouse Monoclonal Antibody (Mab); PP X; PP-X; PP4; PP4C; PP4C_HUMAN; PPH3; PPP4; ppp4c; PPX; protein phosphatase 4 (formerly X); catalytic subunit; Protein phosphatase 4 catalytic subunit; Protein phosphatase X; protein phosphatase X; Serine/threonine protein phosphatase 4 catalytic subunit; Serine/threonine-protein phosphatase 4 catalytic subunit.; anti-PPP4C antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Sequence Length	307
Applicable Applications for anti-PPP4C antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Antigen Source	Human
Antigen Type	Recombinant Protein
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.

IMAGES

IHC (Immunohistochemisry)
IHC of paraffin-embedded human breast cancer using anti-Protein Phosphatase 4C mouse mAb diluted 1/500-1/1000.

ICC (Immunocytochemistry)
Immunocytochemistry of HeLa cells using anti-Protein Phosphatase 4C mouse mAb diluted 1:200.

WB (Western Blot)
Western blot detection of Protein Phosphatase 4C in Hela and Jurkat cell lysates using Protein Phosphatase 4C mouse mAb (1:200 diluted).Predicted band size: 34KDa.Observed band size: 34KDa.

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, DNA repair, 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 double strand break repair. Dephosphorylates NDEL1 at CDK1 phosphorylation sites and negatively regulates CDK1 activity in interphase (By similarity). In response to DNA damage, catalyzes RPA2 dephosphorylation, an essential step for DNA repair since it allows the efficient RPA2-mediated recruitment of RAD51 to chromatin.
Product Categories/Family for anti-PPP4C antibody	Signal Transduction
References	Brewis N.D.,et al.Biochim. Biophys. Acta 1171:231-233(1992). Cohen P.T.W.,et al.Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases. Hu M.C.-T.,et al.J. Biol. Chem. 273:33561-33565(1998). Zhou G.,et al.J. Biol. Chem. 277:6391-6398(2002). Mourtada-Maarabouni M.,et al.Cell Death Differ. 10:1016-1024(2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	746816144
NCBI GeneID	5531
NCBI Accession #	NP_001290432.1
NCBI GenBank Nucleotide #	NM_001303503.1
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/monoclonal/protein-phosphatase-4c-antibody-immunohistochemistry-immunocytochemistry-western-blot-elisa/290522