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

Protein Phosphatase 4C (PPP4C) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA111302	**Mouse**	**Human**	**Immunocytochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Protein Phosphatase 4C (PPP4C); Monoclonal Antibody; Protein Phosphatase 4C (PPP4C) Antibody; PP4; PPX; PP4C; PPH3; PPP4; Protein Phosphatase 4C; anti-PPP4C antibody

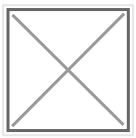
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Specificity	This antibody detects endogenous levels Protein Phosphatase 4C and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%, glycerol
Sequence Length	307
Applicable Applications for anti-PPP4C antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant human Protein Phosphatase 4C protein fragments expressed in E Coli.
Cellular Localization	Cytoplasm; Nucleus

IMAGES

Application Data
IHC of paraffin-embedded human breast cancer using anti-Protein Phosphatase 4C diluted 1/500-1/1000.

Application Data
Western blot detection of Protein Phosphatase 4C antibody in Hela,293&Jurkat cell lysates using Protein Phosphatase 4C antibody (1:1000 diluted). Predicted band size: 34KDa Observed band size: 34KDa.



Application Data
Immunocytochemistry of HeLa cells using anti- Protein Phosphatase 4C antibody diluted 1:200.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP4C antibody	UniPort Summary Function: 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) Entrez Summary: Protein phosphatase 4C may be involved in microtubule organization. It binds 1 iron ion and 1 manganese ion per subunit. PP4 consists of a catalytic subunit PPP4C and a regulatory subunit. PPP4R1 and belongs to the PPP phosphatase family, PP X subfamily.
Product Categories/Family for anti-PPP4C antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	746816144
NCBI GeneID	5531
NCBI Accession #	NP_001290432.1
NCBI GenBank Nucleotide #	NM_002720
UniProt Accession #	P60510; P33172
Molecular Weight	34kDa
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

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-ppp4c-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/111302