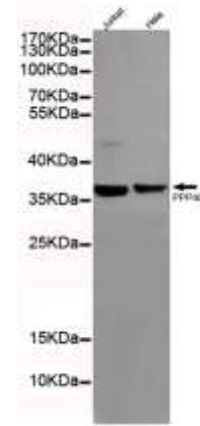


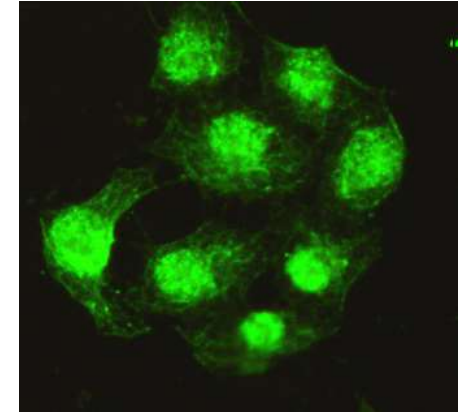
Anti-PPP4C Antibody (2F11-D10-G4)

CATALOG NO:	A1343-100
AMOUNT:	100 µg
ALTERNATIVE NAMES:	Pp4, Protein phosphatase X, PP-X, PPP4C, PPP4, PPX
CLONALITY:	Monoclonal
CLONE:	2F11-D10-G4
Host/ISOTYPE:	Mouse IgG2a
IMMUNOGEN:	Recombinant human Protein Phosphatase 4C protein fragments expressed in E.coli
MOLECULAR WEIGHT:	34 kDa
SPECIES REACTIVITY:	Human
SPECIFICITY:	This antibody detects endogenous levels of Protein Phosphatase 4C and does not cross-react with related proteins.
PURIFICATION:	Affinity purified
FORM:	Liquid
FORMULATION:	Purified mouse monoclonal in PBS (pH 7.4) containing with 0.02% sodium azide and 50% glycerol
STORAGE CONDITIONS:	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	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.
APPLICATION:	WB; 1:200 IF; 1:200

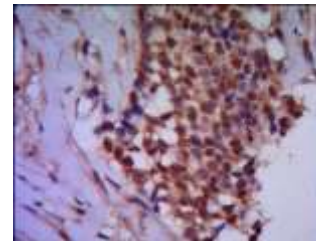
Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot detection of Protein Phosphatase 4C in HeLa and Jurkat cell lysates using Protein Phosphatase 4C Antibody



Immunocytochemistry of HeLa cells using anti-Protein Phosphatase 4C Antibody



IHC of paraffin-embedded human breast cancer using anti-Protein Phosphatase 4C Antibody

RELATED PRODUCTS:

- p38 MAP Kinase Antibody (Cat. No. 3114)
- Phospho-Akt Antibody (Cat. No. 3257)
- Phospho-JNK/SAPK Antibody (Cat. No. 3589)
- p44/42 MAPK (Erk1/2) Antibody (Cat. No. 3085R)

FOR RESEARCH USE ONLY! Not to be used on humans.