
Product Name: PPP4C Rabbit Monoclonal Antibody**Catalog #: AMRe87146**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,FC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:200,FC 1:200-1:500
Molecular Weight	Calculated MW:35 kDa; Observed MW:35 kDa

Antigen Information

Gene Name	PPP4C
Alternative Names	PP4; PPX; PP-X; PP4C; PPH3; PPP4
Gene ID	5531
SwissProt ID	P60510
Immunogen	Recombinant protein of human PPP4C

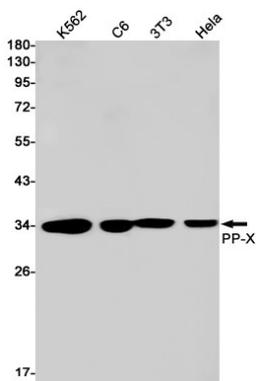
Background

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

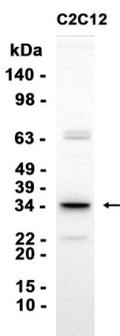
MAPK8, regulation of histone acetylation, DNA damage checkpoint signaling, NF-kappa-B activation and cell migration. The PPP4C-PPP4R1 PP4 complex may play a role in dephosphorylation and regulation of HDAC3. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AFX phosphorylated on Ser-140 (gamma-H2AFX) generated during DNA replication and required for DNA double strand break repair.

Research Area

Image Data



Western blot detection of PP-X in K562,C6,3T3,HeLa cell lysates using PP-X antibody(1:1000 diluted).



Western blot analysis of extracts from C2C12 cells using AMRe87146 at 1:1000.