

Product Name: PPP4C (2F11) Mouse Monoclonal Antibody
Catalog #: AMM03425

Summary

Production Name	PPP4C (2F11) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,IHC-F,IHC-P,ICC/IF
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2a
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	PPP4C
Alternative Names	PP4; PPX; PP4C; PPH3; PPP4
Gene ID	5531
SwissProt ID	P60510

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200
Molecular Weight	Calculated MW: 35 kDa; Observed MW: 35 kDa

Background

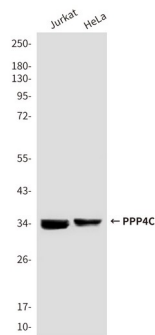
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In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions, including division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the protein phosphatases. In general, the protein phosphatase (PP) holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. Four major families of protein phosphatase catalytic subunits have been identified, designated PP1, PP2A, PP2B (calcineurin) and PP2C. An additional protein phosphatase catalytic subunit, PPX (also known as PP4) is a putative member of a novel PP family.

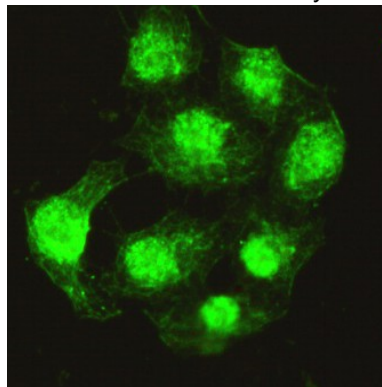
Research Area

Signal Transduction

Image Data

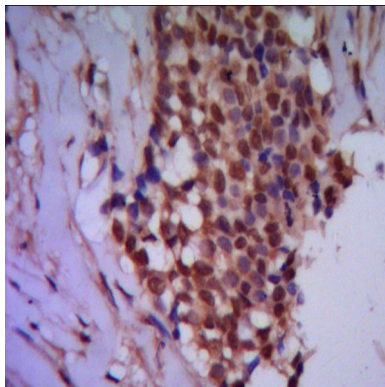


Western blot analysis of Protein Phosphatase 4C in HeLa and Jurkat lysates using Protein Phosphatase 4C antibody.



Immunocytochemistry analysis of PPP4C in HeLa cells using PPP4C antibody.

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Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Protein Phosphatase 4C antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.