

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

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## Summary

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

## Performance

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

## Immunogen

<b>Gene Name</b>	PPP4C
<b>Alternative Names</b>	PP4; PPX; PP4C; PPH3; PPP4
<b>Gene ID</b>	5531
<b>SwissProt ID</b>	P60510.

## Application

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

## Background

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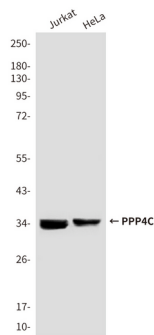
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In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions, including division, homeostasis and apoptosis. A group of proteins that are 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.

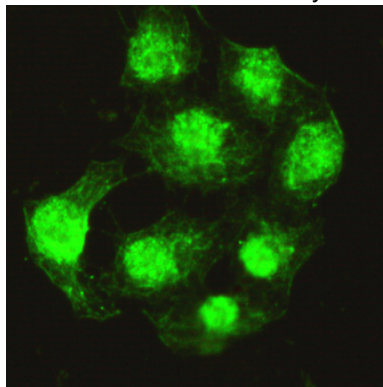
## Research Area

Signal Transduction

## Image Data



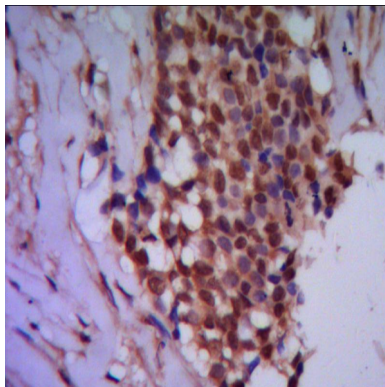
Western blot analysis of Protein Phosphatase 4C in HeLa and Jurkat lysates using Protein Phosphatase 4C antibody.



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.