

For Research Use Only

# PPP2CA Monoclonal antibody, PBS Only



Catalog Number: 67809-1-PBS

## Basic Information

<b>Catalog Number:</b> 67809-1-PBS	<b>GenBank Accession Number:</b> BC031696	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5515	<b>CloneNo.:</b> 3A6H5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P67775	
<b>Isotype:</b> IgG1	<b>Full Name:</b> protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	
<b>Immunogen Catalog Number:</b> AG4294	<b>Calculated MW:</b> 309 aa, 36 kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
Human, rat

## Background Information

PPP2CA, also named as RP-C and PP2A-alpha, belongs to the PPP phosphatase family and PP-1 subfamily. PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase. PP2A activity was modestly decreased in AML patients harboring C-KIT/WT. PP2A is a target for C-KIT/TKD and implicated the potential efficacy of therapies targeting PP2A in such AML in future.

## Storage

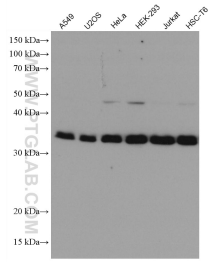
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

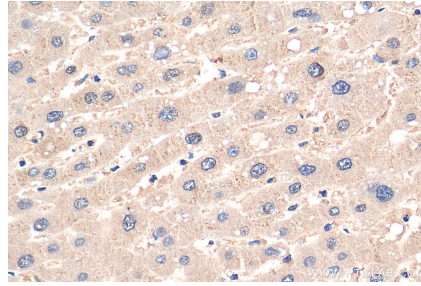
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67809-1-Ig (PPP2CA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67809-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67809-1-Ig (PPP2CA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67809-1-PBS in a different storage buffer formulation.