

For Research Use Only

PPP2CA Monoclonal antibody

Catalog Number: 67809-1-Ig **1 Publications**



Basic Information

Catalog Number: 67809-1-Ig	GenBank Accession Number: BC031696	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 5515	CloneNo.: 3A6H5
Source: Mouse	UNIPROT ID: P67775	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Isotype: IgG1	Full Name: protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	
Immunogen Catalog Number: AG4294	Calculated MW: 309 aa, 36 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: A549 cells, U2OS cells, HeLa cells, HEK-293 cells, Jurkat cells, HSC-T6 cells
Species Specificity: Human, rat	IHC: human liver tissue,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yue Li	37210725	Cell Rep	WB

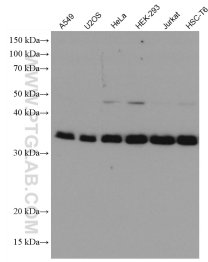
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

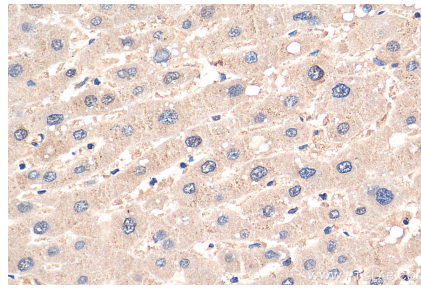
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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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.



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).