

For Research Use Only

PPP3CA Monoclonal antibody, PBS Only



Catalog Number: 68163-1-PBS

Basic Information

Catalog Number: 68163-1-PBS	GenBank Accession Number: BC025714	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 5530	CloneNo.: 2A5C1
Source: Mouse	UNIPROT ID: Q08209	
Isotype: IgG2b	Full Name: protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform	
Immunogen Catalog Number: AG32642	Calculated MW: 59 kDa	
	Observed MW: 59 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, Rat, Mouse, Rabbit, Pig

Background Information

PPP3CA, also called calcineurin A α , is the only serine/threonine protein phosphatase under the control of Ca²⁺/calmodulin, and plays a critical role in the coupling of Ca²⁺ signals to cellular responses. Ca²⁺ signaling plays a central role in hypertrophic growth of cardiac and skeletal muscle in response to mechanical load and a variety of signals. Therefore, PPP3CA plays an important role in muscle differentiation, especially in muscle fiber type conversion. It is also involved in osteoclast regulation, regulating bone formation through an effect on osteoblast differentiation.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

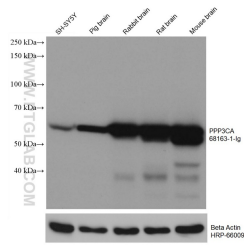
T: 4006900926

E: Proteintech-CN@ptglab.com

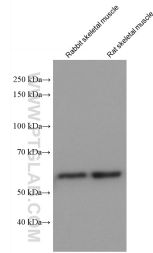
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68163-1-Ig (PPP3CA antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68163-1-PBS in a different storage buffer formulation.



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