

For Research Use Only

# CAMK4 Monoclonal antibody, PBS Only



Catalog Number: 68452-1-PBS

## Basic Information

Catalog Number: 68452-1-PBS	GenBank Accession Number: BC025687	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 814	CloneNo.: 1G7A7
Source: Mouse	UNIPROT ID: Q16566	
Isotype: IgG1	Full Name: calcium/calmodulin-dependent protein kinase IV	
Immunogen Catalog Number: AG33332	Calculated MW: 473 aa, 52 kDa	
	Observed MW: 56-65 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
Human, mouse, rat

## Background Information

CaMK4 (Calcium/calmodulin-dependent protein kinase IV) is a multifunctional serine/threonine kinase that regulates gene expression by activating transcription factors in a wide range of immune cells including T cells and antigen-presenting cells. The function of CaMK4 is suggested to be abnormal mainly in systemic lupus erythematosus (SLE), which is characterized by autoantibody production, immune complex formation, and immune dysregulation (PMID: 29252071). CaMKIV can translocate between the nucleus and cytoplasm (PMID: 21301225)

## 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:

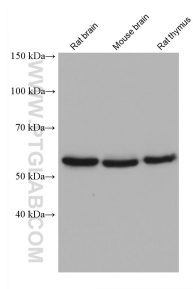
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68452-1-Ig (CAMK4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68452-1-PBS in a different storage buffer formulation.