

For Research Use Only

# CAMK4 Monoclonal antibody

Catalog Number: 68452-1-Ig



## Basic Information

Catalog Number:

68452-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG33332

GenBank Accession Number:

BC025687

GeneID (NCBI):

814

UNIPROT ID:

Q16566

Full Name:

calcium/calmodulin-dependent  
protein kinase IV

Calculated MW:

473 aa, 52 kDa

Observed MW:

56-65 kDa

Purification Method:

Protein G purification

CloneNo.:

1G7A7

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB: rat brain tissue, mouse brain tissue, rat thymus tissue

## 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% 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:

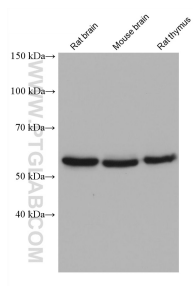
T: 4006900926

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

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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.