

For Research Use Only

CAMK4 Monoclonal antibody, PBS Only



Catalog Number: 68452-1-PBS

Basic Information

Catalog Number:

68452-1-PBS

Size:

1 mg/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

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.

Storage Buffer:

PBS Only

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

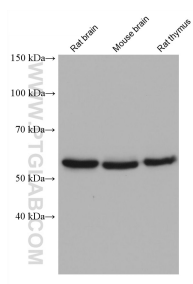
T: 4006900926

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 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.