

For Research Use Only

# CoraLite® Plus 488-conjugated CAMK2 Monoclonal antibody



Catalog Number: **CL488-66843**

## Basic Information

Catalog Number:

CL488-66843

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG4736

GenBank Accession Number:

BC040457

GeneID (NCBI):

815

UNIPROT ID:

Q9UQM7

Full Name:

calcium/calmodulin-dependent  
protein kinase II alpha

Calculated MW:

478 aa, 54 kDa

Observed MW:

45-60 kDa

Purification Method:

Protein G purification

CloneNo.:

1E3B3

Recommended Dilutions:

WB 1:1000-1:8000

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

WB

Species Specificity:

Human, Mouse, Rat, Pig

Positive Controls:

WB : rat brain tissue, mouse brain tissue

## Background Information

CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. It is a member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity. This antibody can recognize all the members of CAMK2 family.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

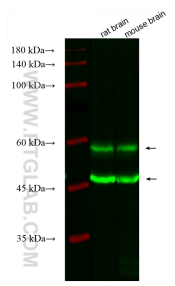
T: 4006900926

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 CL488-66843 (CAMK2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.