

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:

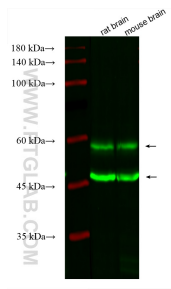
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.