

For Research Use Only

# CAMK2A-Specific Recombinant antibody

Catalog Number: 85197-1-RR



## Basic Information

Catalog Number:

85197-1-RR

Size:

1000  $\mu$ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_015981

GeneID (NCBI):

815

UNIPROT ID:

Q9UQM7

Full Name:

calcium/calmodulin-dependent protein kinase II alpha

Calculated MW:

55 kDa

Observed MW:

50-55 kDa

Purification Method:

Protein A purification

CloneNo.:

242085C3

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : rat brain tissue, mouse brain tissue

## Background Information

CaMKII alpha, also named CAMKA and KIAA0968, belongs to the protein kinase superfamily, CAMK Ser/Thr protein kinase family, and CaMK subfamily. 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 is specific to CAMK2A.

## 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:

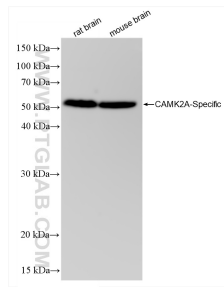
T: 4006900926

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 85197-1-RR (CAMK2A-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.