

For Research Use Only

CAMK2A-Specific Recombinant antibody

Catalog Number: 85197-1-RR



Basic Information

Catalog Number:

85197-1-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

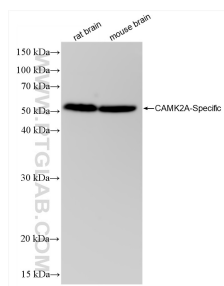
For technical support and original validation data for this product please contact:

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