For Research Use Only

CoraLite® Plus 488-conjugated CaMKII alpha Polyclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-13730

Basic Information

Catalog Number:
CL488-13730

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4745

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:
Antigen affinity purification

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

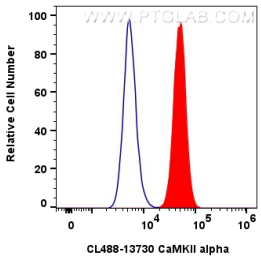
CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. It is a member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity. This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

Storage

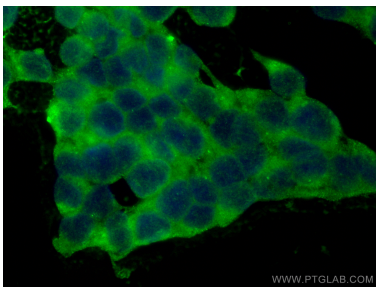
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1x10^6 SH-SY5Y cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human CaMKII alpha (CL488-13730) (red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CoraLite® Plus 488 CaMKII alpha antibody (CL488-13730) at dilution of 1:200.