CaMKII delta Rabbit mAb

Catalog No.: A9196 Recombinant 1 Publications



Basic Information

Observed MW

56 kDa

Calculated MW

56 kDa

Category

Primary antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC1473

Background

The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns.

Recommended Dilutions

WB 1:1000 - 1:6000

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID817
Swiss Prot
Q13557

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

CAMKD; CaMKII delta

Contact

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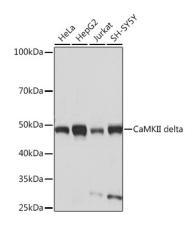
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

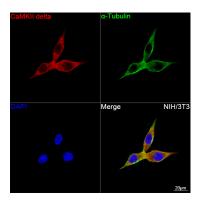


Western blot analysis of various lysates using CaMKII delta Rabbit mAb (A9196) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: $25\mu g$ per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Confocal imaging of NIH/3T3 cells using CaMKII delta Rabbit mAb (A9196, dilution 1:100) ollowed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500) (Red). The cells were counterstained with $\alpha\text{-Tubulin Mouse}$ mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.