

CaMK2 delta/CAMK2 gamma Rabbit mAb

Catalog No.: A0186 **Recombinant** **1 Publications**

Basic Information

Observed MW

60 kDa

Calculated MW

73 kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC53334

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 beta chain. It is possible that distinct isoforms of this chain have different cellular localizations and interact differently with calmodulin. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:5000 - 1:12000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Contact

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Immunogen Information

Gene ID

817/818

Swiss Prot

Q13557/Q13555

Immunogen

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

Synonyms

CAM2; CAMK2; CAMKB; MRD54; CaMKIIbeta; CaMK2 delta/CAMK2 gamma

Product Information

Source

Rabbit

Isotype

IgG

Purification

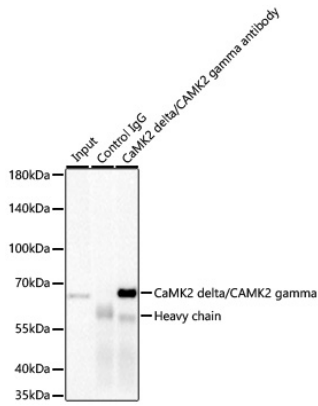
Affinity purification

Storage

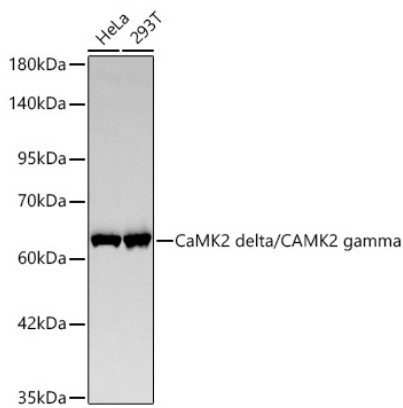
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Immunoprecipitation of CaMK2 delta/CAMK2 gamma from 300 µg extracts of 293T cells was performed using 2 µg of CaMK2 delta/CAMK2 gamma Rabbit mAb (A0186). Rabbit IgG isotype control (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using CaMK2 delta/CAMK2 gamma Rabbit mAb (A0186) at a dilution of 1:10000.



Western blot analysis of various lysates using CaMK2 delta/CAMK2 gamma Rabbit mAb (A0186) at 1:11000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.