

CaMK2 delta/CAMK2 gamma Rabbit mAb

Catalog No.: A0186 **Recombinant**

Basic Information

Observed MW

50kDa/60kDa

Calculated MW

73kDa

Category

Primary antibody

Applications

ELISA, WB, IP

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 1:500 - 1:1000**IP** 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

817/818

Swiss Prot

Q13554

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 200-300 of human CaMK2 delta/CAMK2 gamma (Q13554).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

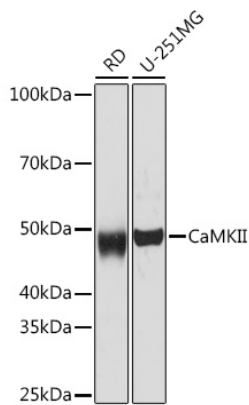
Affinity purification

Storage

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

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

Validation Data



Western blot analysis of various lysates using CaMK2 delta/CAMK2 gamma Rabbit mAb (A0186) at 1:1000 dilution.

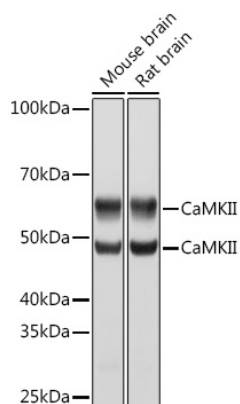
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3min.



Western blot analysis of various lysates using CaMK2 delta/CAMK2 gamma Rabbit mAb (A0186) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.