# Anti-Phospho-CaMKII alpha/beta (Thr286) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R016056

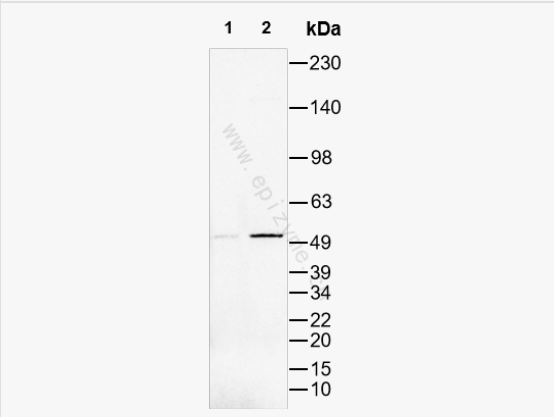
## Product Information

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|---|---|
| Application | WB, ELISA |
| Reactivity | Human, Mouse |
| Dilution | WB 1:1,000~1:2,000 |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone No. | 99T85E37 |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthetic phosphopeptide corresponding to residues surrounding Thr286 of human CaMKII alpha/beta |
| Format | Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage. |
| Precautions | Anti-Phospho-CaMKII alpha/beta (Thr286) Rabbit mAb [99T85E37] is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| Synonyms | CAMKA; CaMKIINalpha; CaMKIIalpha; MRD53; MRT63; CAM2; CAMK2; CAMKB; CaMKIIbeta; MRD54; CAMKD; CAMK; CAMK-II; CAMKG; MRD59; 2810011D23Rik; 8030469K03Rik; CaMK II; [d]-CaMKII; CaMKII; mKIAA0968; Ck2b; CAMK1; Camki; RATCAMKI; PK2CDD; PKCCD; KCC2D_BOVIN; CAMK2D; CaM kinase II subunit delta; CaMK-II subunit delta; 2.7.11.17; KCC2B_BOVIN; CAMK2B; CaM kinase II subunit beta; CaMK-II subunit beta; KCC2B_HUMAN; KCC2G_HUMAN; CAMK2G; CaM kinase II subunit gamma; CaMK-II subunit gamma; KCC2D_HUMAN; KCC2A_HUMAN; CAMK2A; CaM kinase II subunit alpha; CaMK-II subunit alpha; KIAA0968; KCC2A_MOUSE; KCC2B_MOUSE; KCC2D_MOUSE; Kiaa4163; KCC2G_MOUSE; KCC2B_RAT; KCC2A_RAT; KCC2G_RAT; KCC2D_RAT. |
| Calculated MW | Calculated MW: 54 kDa; Observed MW: 54 kDa |
| Uniprot ID | Q13554 |
| Gene ID | 816 |
| Background | The product of this gene belongs to the serine/threonine protein kinases family, and to the Ca(2+)/calmodulin-dependent protein kinases subfamily. Calcium signaling is crucial for several |

## Validation Images




Western Blot - Anti-Phospho-CaMKII alpha/beta (Thr286) Rabbit mAb [99T85E37]
All lanes: R016056 at 1:2,000 dilution
Lane 1: Untreated Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 2: Raw264.7 treated with 10nM insulin for 15min
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 54 kDa
Observed band size: 54 kDa
Developed using the ECL technique (Cat. No. SQ201).