

#11287

CaMKII (Phospho-Thr286) Antibody

Catalog: #11287-1 50µl **Orders:** order@signalwayantibody.com
#11287-2 100µl **Support:** tech@signalwayantibody.com
Storage: Store at -20°C/1 year **Web:** www.signalwayantibody.com



Application	Species Reactivity	Source	Molecular Wt.
WB	Human Mouse Rat	Rabbit Polyconal Ab	50KD

Description: Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Specificity: The antibody detects endogenous level of CaMKII only when phosphorylated at threonine 286.

Immunogen: Peptide sequence around phosphorylation site of threonine 286 (Q-E-T(p)-V-D) derived from Human CaMKII.

Formulation: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Synonyms: CAMK2A CaMKII-alpha

Accession No.: Swiss-Prot#: P11798 NCBI Gene#:
NCBI Protein#:

Background: CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity

References:

Pak JH, et al. Proc Natl Acad Sci U S A. 2000 Oct 10; 97(21): 11232-11237
Hudmon A, et al. J Cell Biol. Author manuscript; available in PMC 2006 May 7
Miller P, et al. PLoS Biol. 2005 Apr; 3(4): e107
Runyan JD, et al. Learn Mem. 2005 Mar; 12(2): 103-110.

Citation:

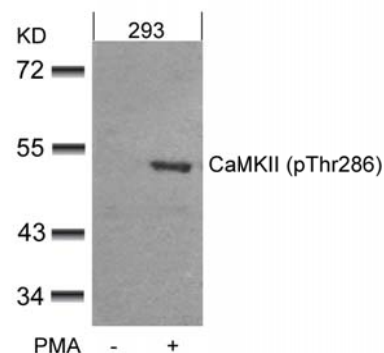
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Related Pathway: Kinase/Phosphatases, Channel, Neuroscience

Note: For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

Recommended Dilutions:

Western blotting 1:500~1:1000



Western blot analysis of extracts from 293 cells untreated or treated with PMA using CaMKII (Phospho-Thr286) Antibody #11287.