CaMKII(Phospho-Thr286) Antibody

Catalog No: #11287

Package Size: #11287-1 50ul #11287-2 100ul #11287-4 25ul

Overview

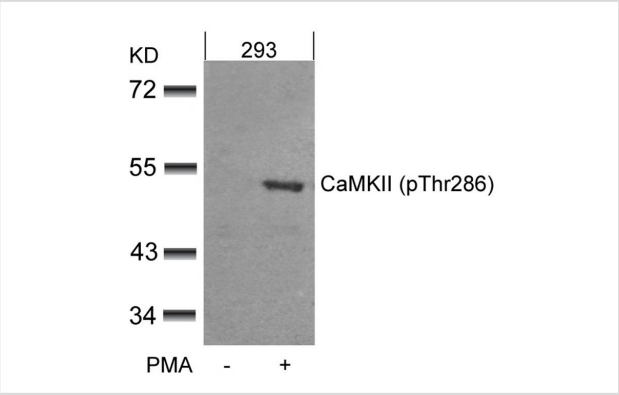
Product Name	CaMKII(Phospho-Thr286) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	CaMKII
Modification	Phospho-Thr286
Alternative Names	CAMKA

Application Details

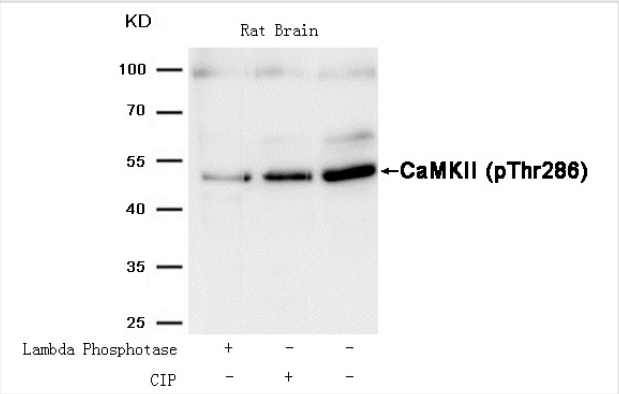
Predicted MW: 50kd

Western blotting: 1:500~1:1000

Images



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



Western blot analysis of extracts from Rat brain tissue treated with Lambda Phosphotase or calf intestinal phosphatase (CIP),using CaMKII (Phospho-Thr286) Antibody#11287.

Descriptions

Specificity	The antibody detects endogenous level of CaMKII only when phosphorylated at threonine 286.
Purifiction	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 chromatogramphy using non-phosphopeptide.
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.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: Q9UQM7NCBI Protein: NP_057065.2

Related Information

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

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.