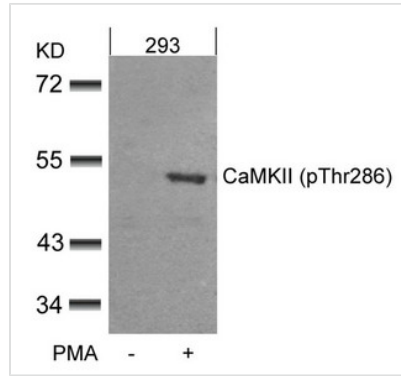


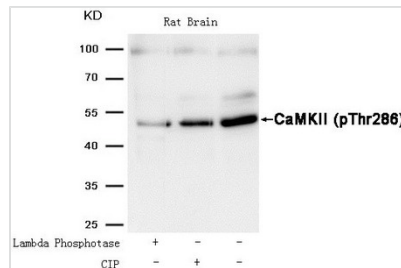


# Phospho-CAMK2A (Thr286) Antibody

<b>Product Code</b>	CSB-PA293488
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q9UQM7
<b>Immunogen</b>	Peptide sequence around phosphorylation site of threonine 286 (Q-E-T(p)-V-D) derived from Human CaMKII.
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human,Mouse,Rat
<b>Specificity</b>	The antibody detects endogenous level of CaMKII only when phosphorylated at threonine 286.
<b>Tested Applications</b>	ELISA,WB;WB:1:500-1:1000
<b>Relevance</b>	<p>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</p> <p>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.</p>
<b>Form</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	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
<b>Clonality</b>	Polyclonal
<b>Alias</b>	CAMKA
<b>Product Type</b>	Polyclonal Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Target Names</b>	CAMK2A
<b>Image</b>	



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



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

**Product Modify**

**Phospho-Thr286**