

Anti-CaM Kinase II (Thr286) Antibody



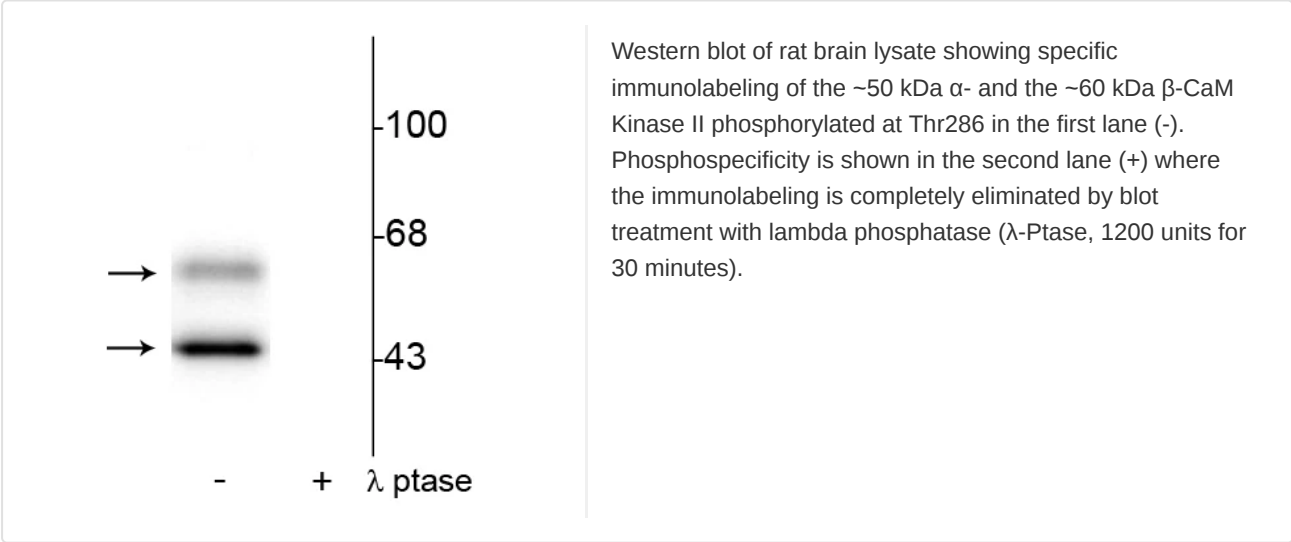
Pooled Serum

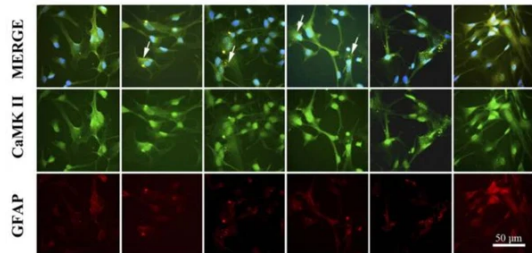
Product Details

Available Variants	100 µL (SKU:p1005-286) 25 µL (SKU:p1005-286t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	CAMK2A/B
Host Species	Rabbit
Format	Antigen Affinity Purified from Pooled Serum
Physical State	Liquid
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Production Notes	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:1000 WB Brain: 1:1000 IHC: 1:1000
Species Reactivity	Human, Mouse, Rabbit, Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Thr286 of rat CaMKII, conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~50 kDa α-CaM Kinase II and the ~60 kDa β-CaM Kinase II proteins phosphorylated at Thr286. Immunolabeling is completely eliminated by treatment with λ-phosphatase.
Molecular Weight	50/60 kDa
Quality Control	Western blots performed on each lot.

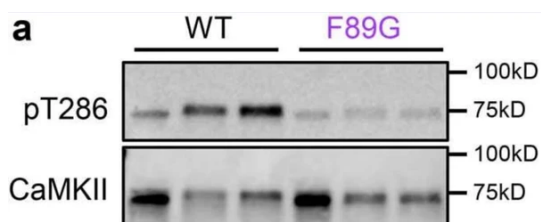
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Antibody Registry ID	AB_2492051
UniProt ID	P11275
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Expected Reactivity	Zebrafish
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Thr286
NCBI Gene ID	25400

Product Images





Astrocytes (1×10^6 cells/ml) were cultured for 24 h without treatment or with METH (10 μ M), clade B gp120 (50 ng/ ml), or clade C gp120 (50 ng/ ml) alone or METH in combination with clade B or C gp120. After incubation, the cells were fixed, permeabilized, and stained for (A) DRD-2, (B) phospho-CaMK II (Cat. p1005-286) (C) phospho-CaMK IV (green) or GFPA (red) and DAPI (blue). The cells were imaged using a confocal microscope at 630x and analyzed using immunocytochemistry. Image from publication CC-BY-4.0.



Representative immunoblot and quantification of in vitro kinase reactions at 30 °C in 1 mM ATP measuring CaMKII α WT and F89G phosphorylation of T286 (Cat. p1005-286, 1:2500). Image from publication CC-BY-4.0. [PMID: 37648853](#)

Product Page URL: www.antibodiesinc.com/products/anti-cam-kinase-ii-thr286-antibody-p1005-286



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