Phospho-CaMKII alpha/beta (Thr286) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rabbit, Rat
Published Species	Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Thr286 of rat CAMK2A /B conjugated to KLH
Form	Liquid
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2259386

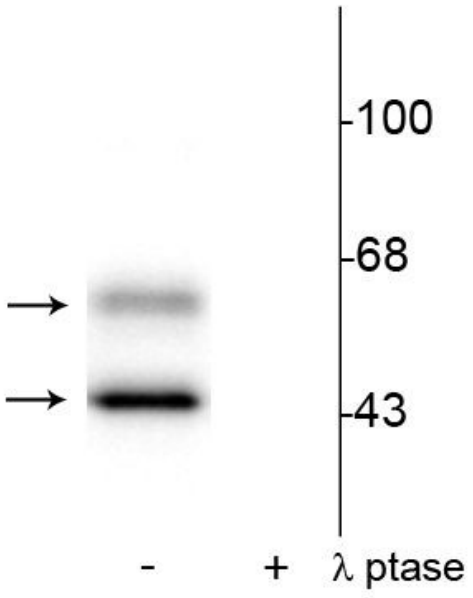
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	2 Publications
Immunohistochemistry (IHC)	1:1,000	-

Product Specific Information

This antibody is predicted to react with human, mouse and Xenopus based on 100% sequence homology.

This antibody is specific for the ~50 kDa alpha-CaM Kinase II subunit and the ~60 kDa beta-CaM Kinase II subunit phosphorylated at Thr286 in Western blots of rat brain lysates. Immunolabeling is blocked by the phosphopeptide used as the antigen but not by the corresponding dephosphopeptide.

Product Images For Phospho-CaMKII alpha/beta (Thr286) Polyclonal Antibody



Phospho-CaMKII alpha/beta (Thr286) Antibody (PA1-4614) in WB
Western blot of CaMKII alpha/beta in rat brain lysate showing specific immunolabeling of a band at ~50 kDa corresponding to the alpha-subunit and a ~60 kDa band corresponding to the beta-subunit of Phospho-CaMKII alpha/beta (Thr286) polyclonal antibody (Product # PA1-4614) in the first lane (-). Phosphospecificity is shown in the second lane (+) where the immunolabeling is completely eliminated by blot treatment with lambda phosphatase (1,200 units for 30 minutes).

2 References

Western Blot (2)

The Journal of biological chemistry

Phosphorylation of the HCN channel auxiliary subunit TRIP8b is altered in an animal model of temporal lobe epilepsy and modulates channel function.

"PA1-4614 was used in Western Blotting to highlight the potential of drugs targeting posttranslational modifications to restore TRIP8b phosphorylation to reduce excitability in TLE."

Authors: Foote KM,Lyman KA,Han Y,Michailidis IE,Heuermann RJ,Mandikian D,Trimmer JS,Swanson GT,Chetkovich DM

Year
2019

Species
Rat

Dilution
1:1500

BMC neuroscience

Time-dependent activation of MAPK/Erk1/2 and Akt/GSK3 cascades: modulation by agomelatine.

"PA1-4614 was used in western blot to study modulation of agomelatine by time dependent activation of Akt/GSK3 and MAPK/Erk1/2 cascades"

Authors: Musazzi L,Seguini M,Mallei A,Treccani G,Pelizzari M,Tornese P,Racagni G,Tardito D

Year
2014

Dilution
1:2000

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