

**Product Name: Phospho-CaMKII (Thr287) (4A8) Mouse
Monoclonal Antibody
Catalog #: AMM00736**



Summary

Production Name	Phospho-CaMKII (Thr287) (4A8) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	IHC-P
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG1
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	CAMK2B/CAMK2D/CAMK2G
Alternative Names	Calcium/calmodulin dependent protein kinase II; KCC2A
Gene ID	816/817/818
SwissProt ID	Q13554/Q13555/Q13557

Application

Dilution Ratio	IHC: 1/50-1/100
Molecular Weight	-

Background

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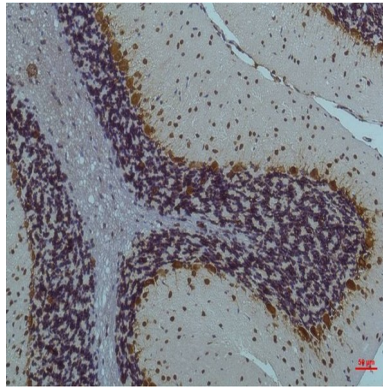


CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity.

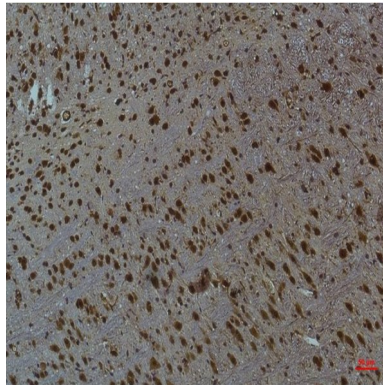
Research Area

Neuroscience

Image Data



Immunohistochemistry analysis of paraffin-embedded rat Brain Tissue using Phospho-CaMKII (Thr287) (4A8) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using Phospho-CaMKII (Thr287) (4A8) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.