

For Research Use Only

CAMK2 Monoclonal antibody

Catalog Number: 66843-1-Ig **1 Publications**



Basic Information

Catalog Number: 66843-1-Ig	GenBank Accession Number: BC040457	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 815	CloneNo.: 1E3B3
Source: Mouse	Full Name: calcium/calmodulin-dependent protein kinase II alpha	Recommended Dilutions: WB 1:5000-1:15000
Isotype: IgG1	Calculated MW: 478 aa, 54 kDa	
Immunogen Catalog Number: AG4736	Observed MW: 45-60 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : mouse brain tissue, pig brain tissue, rat brain tissue, pig cerebellum tissue, rat cerebellum tissue, mouse cerebellum tissue
Cited Applications: WB	
Species Specificity: Human, Mouse, Rat, Pig	
Cited Species: rat	

Background Information

CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. It is a member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity. This antibody can recognize all the members of CAMK2 family.

Notable Publications

Author	Pubmed ID	Journal	Application
Ting-Ting Chen	33714957	Aging (Albany NY)	WB

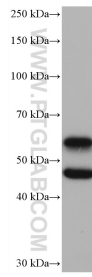
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

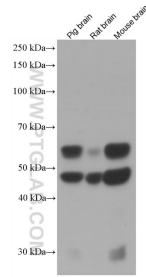
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 66843-1-Ig (CAMK2A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66843-1-Ig (CAMK2A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.