

For Research Use Only

# CAMKV Polyclonal antibody

Catalog Number: 14788-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 14788-1-AP	<b>GenBank Accession Number:</b> BC000497	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 79012	<b>Recommended Dilutions:</b> WB 1:500-1:2400 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> CaM kinase-like vesicle-associated	<b>Calculated MW:</b> 54 kDa
<b>Isotype:</b> IgG	<b>Observed MW:</b> 54-75 kDa	<b>Immunogen Catalog Number:</b> AG6438

## Applications

<b>Tested Applications:</b> IF, IP, WB, ELISA	<b>Positive Controls:</b> WB: mouse brain tissue, HeLa cells, mouse spleen tissue, PC-3 cells
<b>Cited Applications:</b> WB	IP: mouse brain tissue,
<b>Species Specificity:</b> human, mouse, rat	IF: mouse brain tissue,
<b>Cited Species:</b> human, mouse	

## Background Information

CAMKV (CaM kinase-like vesicle-associated protein) is also named as 1G5, VACAMKL and belongs to the CAMK Ser/Thr protein kinase family. The CAMKV protein, which accumulates predominantly during postnatal development, binds to calmodulin in the presence of calcium. It is detected only in the CNS, is absent from cerebellum, but is detected in most other brain regions, especially regions of the cortex. The protein is predominantly detected in association with the plasma membrane of somatic cell and in neurites, both axons and dendrites, and is frequently observed in active zones, usually associated with vesicle-like structures. Its sequence suggests that 1G5 may be membrane associated (PMID:8283228).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qingyang Zhang	34551807	Mol Neurodegener	WB
Tianwei Chen	36453019	Mol Oncol	WB

## Storage

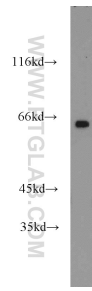
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

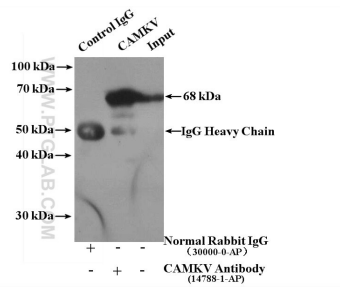
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

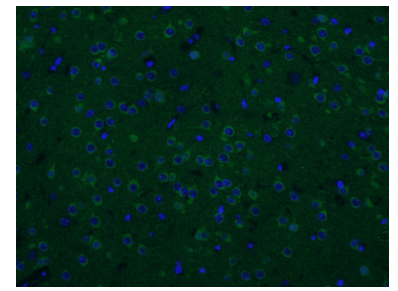
## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 14788-1-AP (CAMKV antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



IP Result of anti-CAMKV (IP:14788-1-AP, 4ug; Detection:14788-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 14788-1-AP (CAMKV antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).