

For Research Use Only

CAMKV Polyclonal antibody

Catalog Number: 14788-1-AP

3 Publications



Basic Information

Catalog Number:

14788-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6438

GenBank Accession Number:

BC000497

GeneID (NCBI):

79012

UNIPROT ID:

Q8NCB2

Full Name:

CaM kinase-like vesicle-associated

Calculated MW:

54 kDa

Observed MW:

54-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, HeLa cells, mouse spleen tissue, PC-3 cells

IP : mouse brain tissue,

IF-P : mouse brain tissue,

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
Michael Gilligan	38634529	Ann Neurol	WB,IHC,IF
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

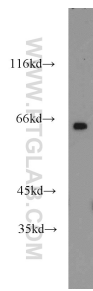
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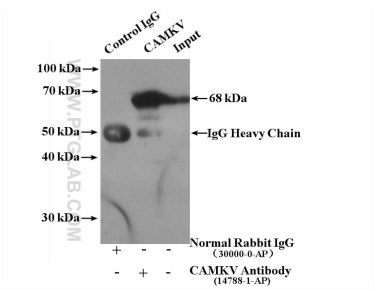
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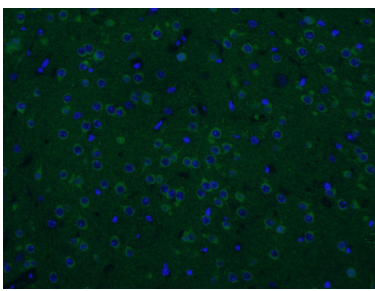
Selected Validation Data



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 Goat Anti-Rabbit IgG(H+L).