

CAMK4 Rabbit pAb

Catalog No.: A5304 **1 Publications**

Basic Information

Observed MW

60KDa

Calculated MW

51kDa

Category

Primary antibody

Applications

WB,IHC,IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

The product of this gene belongs to the serine/threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This enzyme is a multifunctional serine/threonine protein kinase with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells.

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

814

Swiss Prot

Q16566

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 304-473 of human CAMK4 (NP_001735.1).

Synonyms

CAMK4;CaMK IV;CaMK-GR;caMK;CaMKIV

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

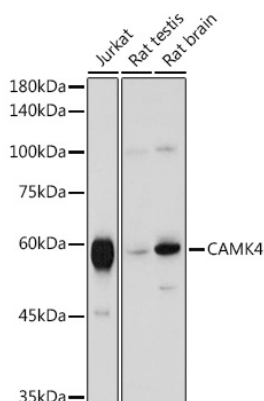
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using CAMK4 antibody (A5304) at 1:1000 dilution.

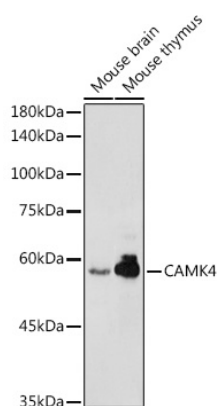
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Western blot analysis of extracts of various cell lines, using CAMK4 antibody (A5304) at 1:1000 dilution.

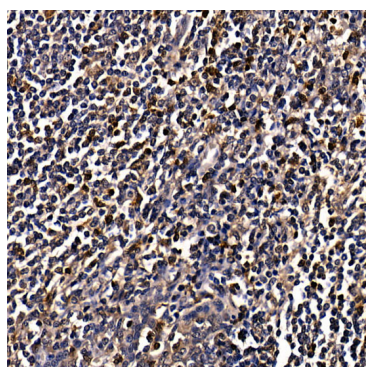
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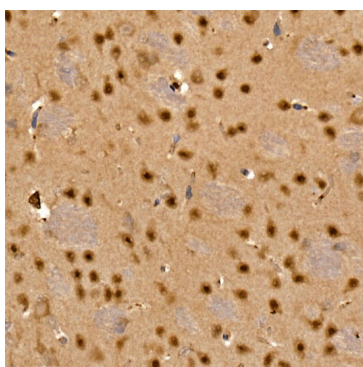
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

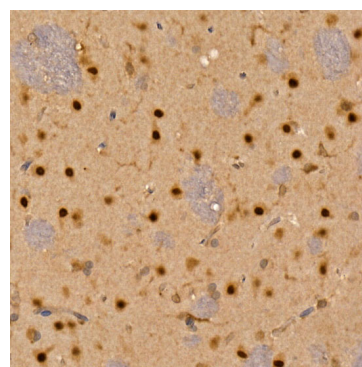
Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human tonsil using CAMK4 Rabbit pAb (A5304) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

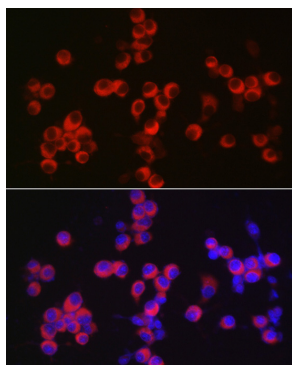


Immunohistochemistry of paraffin-embedded mouse brain using CAMK4 Rabbit pAb (A5304) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

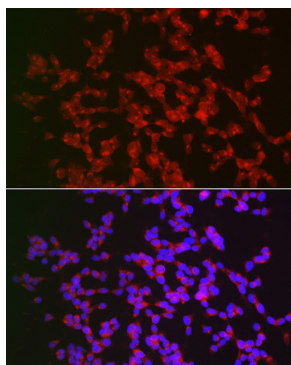


Immunohistochemistry of paraffin-embedded rat brain using CAMK4 Rabbit pAb (A5304) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Validation Data



Immunofluorescence analysis of Neuro-2a cells using CAMK4 Rabbit pAb (A5304) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of SH-SY5Y cells using CAMK4 Rabbit pAb (A5304) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.