

À des fins de recherche uniquement

# Anticorps Monoclonal anti-CAMK2

Numéro de catalogue: 66843-1-Ig **1 Publications**



## Informations de base

Numéro de catalogue: 66843-1-Ig	Numéro d'acquisition GenBank: BC040457	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 815	CloneNo.: 1E3B3
Hôte: Mouse	Nom complet: calcium/calmodulin-dependent protein kinase II alpha	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:200-1:800
Isotype: IgG1	MW calculé 478 aa, 54 kDa	
Immunogen Catalog Number: AG4736	MW observés: 45-60 kDa	

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Demandes citées:

WB

### Spécificité de l'espèce:

Humain, porc, rat, souris

### Espèces citées:

rat

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

### Contrôles positifs:

WB : tissu cérébral de porc, tissu cérébral de lapin, tissu cérébral de rat, tissu cérébral de rat, tissu cérébral de souris, tissu de cervelet de porc, tissu de cervelet de rat, tissu de cervelet de souris

IHC : tissu cérébral de souris, tissu de carcinome à cellules rénales humain

IF : cellules SH-SY5Y,

## Informations générales

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.

## Publications notables

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

## Stockage

### Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

### Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

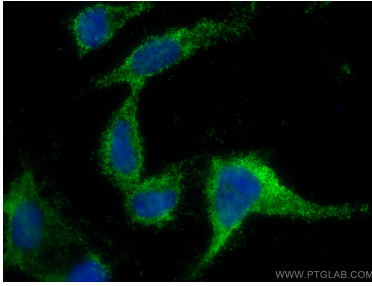
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

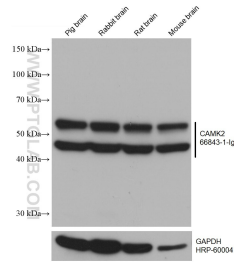
E: proteintech@ptglab.com  
W: ptglab.com

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

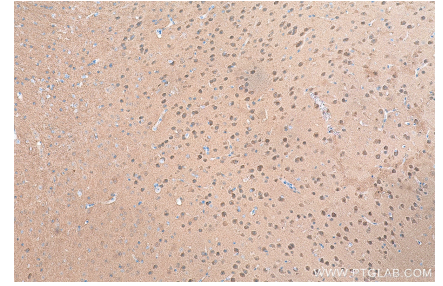
## Données de validation sélectionnées



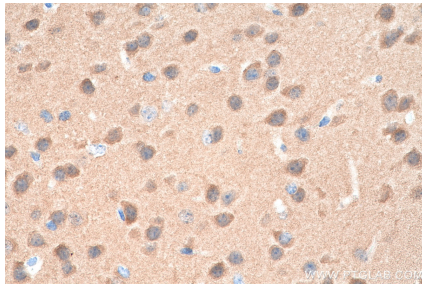
Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using CAMK2 antibody (66843-1-Ig, Clone: 1E3B3 ) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



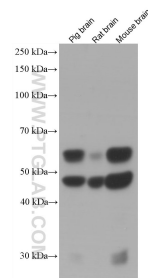
Various lysates were subjected to SDS PAGE followed by western blot with 66843-1-Ig (CAMK2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66843-1-Ig (CAMK2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66843-1-Ig (CAMK2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 66843-1-Ig (CAMK2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.