

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CaMKII Beta



Numéro de catalogue: 11533-1-AP

Phare

10 Publications

Informations de base

Numéro de catalogue:
11533-1-AP

Taille:
150ul, Concentration: 200 µg/ml by Nanodrop and 227 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG2119

Numéro d'acquisition GenBank:
BC019070

Identification du gène (NCBI):
816

Nom complet:
calcium/calmodulin-dependent protein kinase II beta

MW calculé:
503 aa, 56 kDa

MW observés:
50-70 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:4000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:20-1:200

Applications

Applications testées:
IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, porc, rat, souris

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 souris, cellules SH-SY5Y, tissu cérébral de rat, tissu cérébral humain

IP : tissu cérébral de souris,

IHC : tissu de gliome humain, tissu cérébral humain

Informations générales

CAMK2B(Calcium/calmodulin-dependent protein kinase type II subunit beta), also named as CAM2, CAMK2 and CAMKB, belongs to the protein kinase superfamily, CAMK Ser/Thr protein kinase family and CaMK subfamily. It is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. CAMK2B is a member of the NMDAR signaling complex in excitatory synapses, it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity. It plays a distinct role in the induction of anergy in T lymphocytes, by differential regulation of IL10 and IL2 gene transcription suggesting MEF2A as a molecular target which can integrate different calcium signals(PMID:22578382). This protein has 8 isoforms produced by alternative splicing with the molecular weight between 50 kDa and 73 kDa. This antibody may have cross reaction with CAMK2A/D/G due to the high homology.

Publications notables

Autrice	Pubmed ID	Journal	Application
Lisa Y So	33031871	Behav Brain Res	WB
Huanliang Liu	31829301	Sci Total Environ	WB
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.

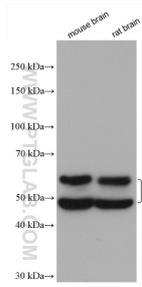
For technical support and original validation data for this product please contact:

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

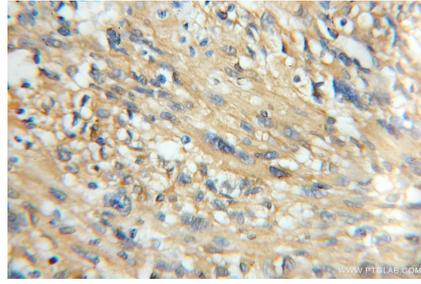
E: proteintech@ptglab.com
W: ptglab.com

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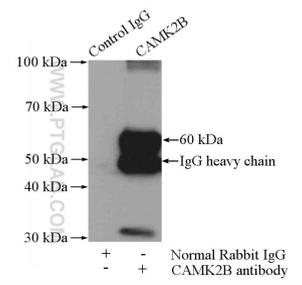
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 11533-1-AP (CaMKII beta antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11533-1-AP (CaMKII beta antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-CaMKII beta (IP:11533-1-AP, 4ug; Detection:11533-1-AP 1:1.000) with mouse brain tissue lysate 4000ug.