

CAMKK1 Polyclonal Antibody

Catalog number: 13624-1-AP

Size: 49 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

CAMKK1; CaM kinase IV kinase,

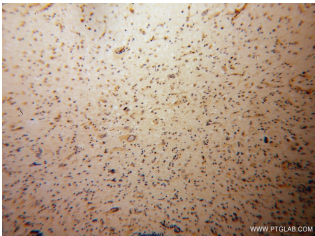
CaM kinase kinase 1, CaM

kinase kinase alpha, CaM KK 1,

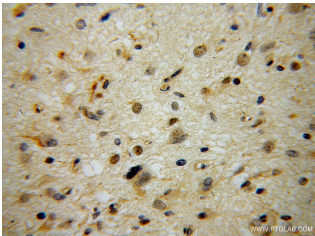
CaM KK alpha, CaMKK 1,

CaMKK alpha, CAMKK1,

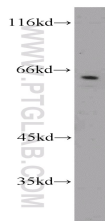
CAMKKA, DKFZp761M0423



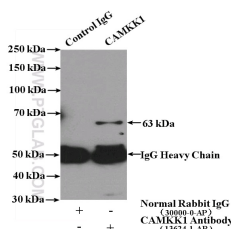
Immunohistochemical of paraffin-embedded human gliomas using 13624-1-AP(CAMKK1 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human gliomas using 13624-1-AP(CAMKK1 antibody) at dilution of 1:50 (under 40x lens)



Jurkat cells were subjected to SDS PAGE followed by western blot with 13624-1-AP(CAMKK1 antibody) at dilution of 1:1000



Background

Calcium/calmodulin-dependent protein kinase kinase 1 catalyzes the phosphorylation and activation of Ca(2+)/calmodulin kinase (CaMK) as an upstream component of the CaMK cascade that has been implicated in neuronal gene transcription, synaptic plasticity, and long-term memory consolidation .CAMKK1 has two isoforms of 56kda and 58kda and involved in regulating cell apoptosis, promotes cell survival by phosphorylating AKT1/PKB that inhibits pro-apoptotic BAD/Bcl2-antagonist of cell death .Researches showed that Camkk1 plays a selective role in contextual fear memory.This 66-68kda protein can be phosphorylated(probably antophosphorylation)(PMID:7961813).This antibody recognize the N-terminal of CAMKK1 .

Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated CAMKK1 MW:	520aa,57 kDa
Observed CAMKK1 MW:	63 kDa
Positive WB detected in	Jurkat cells
Positive IP detected in	Jurkat cells
Positive IHC detected in	Human gliomas tissue, human stomach tissue
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:500-1:5000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4534
GenBank accession number:	BC031647
Gene ID (NCBI):	84254
Full name:	Calcium/calmodulin-dependent protein kinase kinase 1, alpha

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

IP Result of anti-CAMKK1
(IP:13624-1-AP, 4ug;
Detection:13624-1-AP 1:1000)
with Jurkat cells lysate
4000ug.