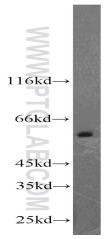
USA: proteintech@ptglab.com

Europe: europe@ptglab.com

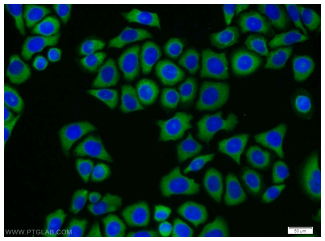
China: service@ptglab.com

CAMKK2 Polyclonal Antibody

Catalog number: 11549-1-AP
Size: 23 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
CAMKK2; CaM kinase kinase 2, CaM kinase kinase beta, CaM KK 2, CaM KK beta, CAMKK, CaMKK 2, CaMKK beta, CAMKK2, CAMKKB, KIAA0787



PC-3 cells were subjected to SDS PAGE followed by western blot with 11549-1-AP(CAMKK2 antibody) at dilution of 1:500



Immunofluorescent analysis of PC-3 cells using 11549-1-AP(CAMKK2 Antibody) at dilution of 1:25 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Background

CAMKK2(calcium/calmodulin-dependent protein kinase kinase 2) is also named as CAMKKB, KIAA0787 and belongs to the protein kinase superfamily. It regulates hypothalamic production of the orexigenic hormone NPY and contributes to the regulation of energy balance. CAMKK2 in vivo reduces tumor growth suggests that reactivation of CAMKK2 by development of new drugs may be a new strategy to prolong the period to respond androgen-deprivation therapy(ADT)(PMID:22549914). It can be autophosphorylated(PMID:19369195). It has 7 isoforms produced by alternative splicing.

Applications

Tested applications:	**ELISA, WB, IF**
Cited applications:	**WB**
Species specificity:	**Human, Mouse; other species not tested.**
Cited species:	**Human, mouse**
Caculated CAMKK2 MW:	**588aa,60 kDa**
Observed CAMKK2 MW:	**55-60 kDa**
Positive WB detected in	**PC-3 cells, fetal human brain tissue, HeLa cells, human brain tissue, human heart tissue, Jurkat cells**
Positive IF detected in	**PC-3 cells**
Recommended dilution:	**WB: 1:200-1:2000**
	IF: 1:10-1:100

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

Immunogen information

Immunogen:	**Ag2093**
GenBank accession number:	**BC026060**
Gene ID (NCBI):	**10645**
Full name:	**Calcium/calmodulin-dependent protein kinase kinase 2, beta**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**