CAMKK2 antibody

Product Information

Catalog No.:	FNab01238
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Isoform 1, isoform 2 and isoform 3 phosphorylate CAMK1 and CAMK4. Isoform 3 phosphorylates CAMK1D. Isoform 4, isoform 5 and isoform 6 lacking part of the calmodulin-binding domain are inactive. Efficiently phosphorylates 5'-AMP-activated protein kinase(AMPK) trimer, including that consisting of PRKAA1, PRKAB1 and PRKAG1. This phosphorylation is stimulated in response to Ca(2+) signals(By similarity). Seems to be involved in hippocampal activation of CREB1(By similarity). May play a role in neurite growth. Isoform 3 may promote neurite elongation, while isoform 1 may promoter neurite branching.

Immunogen information

Immunogen:	calcium/calmodulin-dependent protein kinase kinase 2, beta
Synonyms:	Calcium/calmodulin-dependent protein kinase kinase 2 (CaM-KK 2, CaM-kinase kinase 2, CaMKK 2)|Calcium/calmodulin-dependent protein kinase kinase beta (CaM-KK beta, CaM-kinase kinase beta, CaMKK beta)|CAMKK2|CAMKKB|KIAA0787
Observed MW:	55-60 kDa
Uniprot ID :	Q96RR4

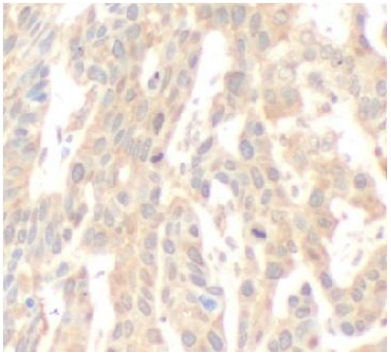
Application

Reactivity: Human, Mouse

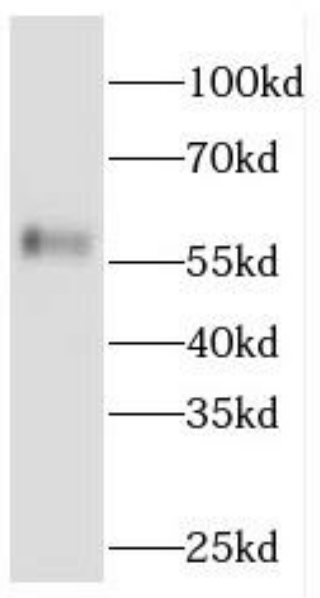
Tested Application: ELISA, WB, IF, IHC

Recommended dilution: WB: 1:500-1:2000; IF: 1:20-1:200; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human oesophagus using FNab01238(CAMKK2 antibody) at dilution of 1:50



PC-3 cells were subjected to SDS PAGE followed by western blot with FNab01238(CAMKK2 antibody) at dilution of 1:500