

Product datasheet for **AP13738PU-N**

CAMKK2 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human CAMKK2.
Specificity:	This antibody reacts to CAMKK2.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein A column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	calcium/calmodulin-dependent protein kinase kinase 2
Database Link:	Entrez Gene 10645 Human Q96RR4



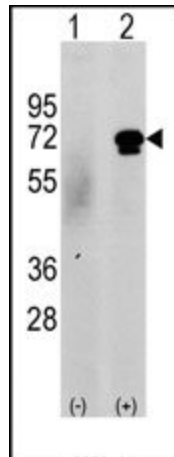
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Background:

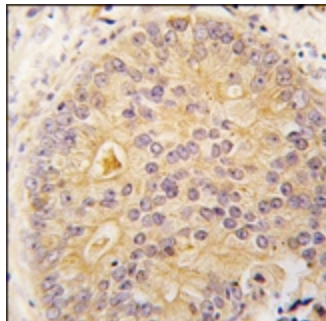
CAMKK2 belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade by phosphorylating the downstream kinases CaMK1 and CaMK4. Isoform 1, isoform 2 and isoform 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. CAMKK2 appears to be involved in hippocampal activation of CREB1.

Synonyms:

CAMKKB, KIAA0787, CaMKK beta, CaM-KK beta, CaM-kinase kinase beta

Product images:

Western blot analysis of CAMKK2 (arrow) using rabbit polyclonal CAMKK2 Antibody (N-term G67). 293 cell lysates (2 ug/lane) either nontransfected (c) or transiently transfected with the CAMKK2 gene (Lane 2)



Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with CAMKK2 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.