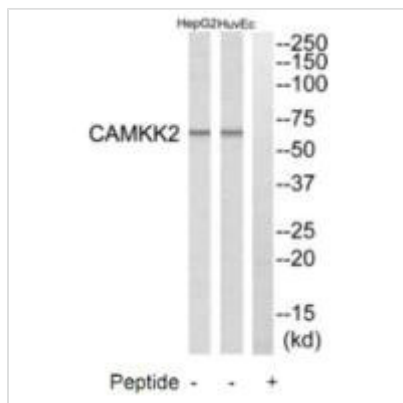


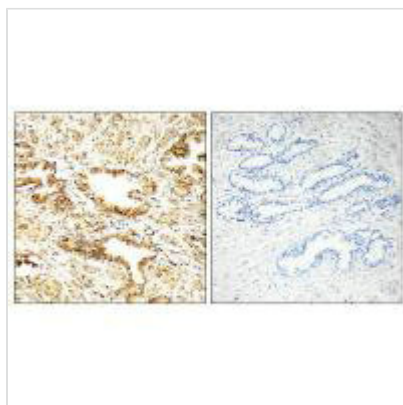


CAMKK2 Antibody

Product Code	CSB-PA582406
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q96RR4
Immunogen	Synthesized peptide derived from internal of Human CAMKK2.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of total CAMKK2 protein.
Tested Applications	ELISA, WB, IHC; WB: 1:500-1:3000, IHC: 1:50-1:100
Relevance	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 Ca²⁺ 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 promote neurite branching. Hsu L.-S., J. Biol. Chem. 276:31113-31123(2001). Anderson K.A., J. Biol. Chem. 273:31880-31889(1998). Ishikawa Y., FEBS Lett. 550:57-63(2003).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	Calcium/calmodulin-dependent protein kinase kinase 2; CaM-KK 2; CaM-kinase kinase 2; CaMKK 2; Calcium/calmodulin-dependent protein kinase kinase beta
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	CAMKK2
Image	



Western blot analysis of extracts from HuvEc cells and HepG2 cells, using CAMKK2 antibody.



Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using CAMKK2 antibody.