

Rabbit CAMK1 Polyclonal Antibody | anti-CAMK1 antibody

CAMK1 Antibody (C-term)

CATALOG # AAA283996	HOST Rabbit	REACTIVITY Human, mouse, rat, monkey	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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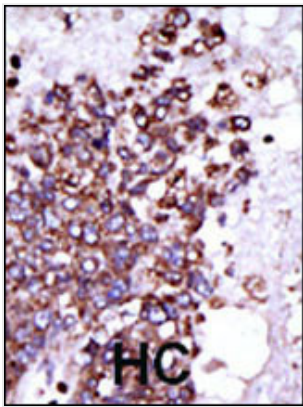
PRODUCT SYNONYMS

CAMK1; Polyclonal Antibody; CAMK1 Antibody (C-term); Calcium/calmodulin-dependent protein kinase type 1; CaM kinase I; CaM-KI; CaM kinase I alpha; CaMKI-alpha; anti-CAMK1 antibody

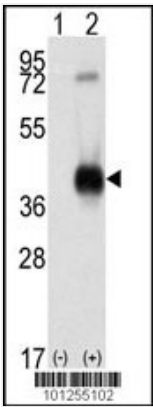
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat, monkey
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CAMK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 341-370 amino acids from the C-terminal region of human CAMK1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.57 (varies by lot)
Sequence Positions	341-370
Sequence Length	370
Applicable Applications for anti-CAMK1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

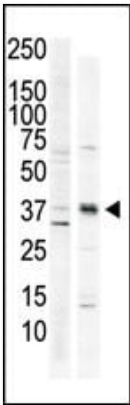
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of CAMK1 (arrow) using rabbit polyclonal CAMK1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CAMK1 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
The anti-CAMK1 C-term Pab is used in Western blot to detect CAMK1 in HeLa cell lysate (lane 1) and primate brain tissue lysate (lane 2).

ADDITIONAL INFORMATION

Related Product Information for anti-CAMK1 antibody	Calcium/calmodulin-dependent protein kinase I is expressed in many tissues and is a component of a calmodulin-dependent protein kinase cascade. Calcium/calmodulin directly activates calcium/calmodulin-dependent protein kinase I by binding to the enzyme and indirectly promotes the phosphorylation and synergistic activation of the enzyme by calcium/calmodulin-dependent protein kinase I kinase.
Product Categories/Family for anti-CAMK1 antibody	Cardiovascular; Neuroscience; Signal Transduction
References	Condon, J.C., et al., Endocrinology 143(9):3651-3657 (2002). Chin, D., et al., J. Biol. Chem. 272(50):31235-31240 (1997). Haribabu, B., et al., EMBO J. 14(15):3679-3686 (1995). Ishikawa, Y., et al., FEBS Lett. 550 (1-3), 57-63 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502553
NCBI GeneID	8536
NCBI Accession #	NP_003647.1
NCBI GenBank Nucleotide #	NM_003656.4

UniProt Accession #	Q14012; Q3KPF6
Molecular Weight	41337
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type 1
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase I
NCBI Official Symbol	CAMK1
NCBI Official Synonym Symbols	CAMKI
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type 1
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type 1
UniProt Gene Name	CAMK1
UniProt Synonym Gene Names	CaM-KI; CaMKI-alpha
UniProt Entry Name	KCC1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/camk1-antibody-western-blot-immunohistochemistry-elisa/283996>