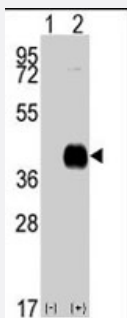


CAMK1 polyclonal antibody

Catalog # PAB2769

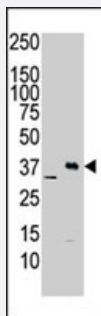
Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of CAMK1 (arrow) using CAMK1 polyclonal antibody (Cat # PAB2769). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CAMK1 gene (Lane 2) (Origene Technologies).



Western Blot

The CAMK1 polyclonal antibody (Cat # PAB2769) is used in Western blot to detect CAMK1 in HeLa cell lysate (lane 1) and primate brain tissue lysate (lane 2) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CAMK1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CAMK1.
Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of CAMK1 (arrow) using CAMK1 polyclonal antibody (Cat # PAB2769). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CAMK1 gene (Lane 2) (Origene Technologies).

- Western Blot

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Gene Info — CAMK1

Entrez GeneID	8536
Protein Accession#	Q14012
Gene Name	CAMK1
Gene Alias	CAMKI, MGC120317, MGC120318
Gene Description	calcium/calmodulin-dependent protein kinase I
Omim ID	604998
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000158527

Publication Reference

- [Neuronal Pentraxin 2 is a regulator of clear cell renal cell carcinoma malignancy through activation of the AMPA-selective glutamate receptor 4.](#)
Von Roemeling CA, Radisky DC, Marlow LA, Cooper SJ, Grebe SK, Anastasiadis PZ, Tun HW, Copland JA.
Cancer Research 2014 Sep; 74(17):4796.

Application: WB-Ce, Human, Caki1, THJ16T, HeLa cells
- [Calmodulin-dependent kinase I regulates adrenal cell expression of aldosterone synthase.](#)
Condon JC, Pezzi V, Drummond BM, Yin S, Rainey WE.
Endocrinology 2002 Sep; 143(9):3651.

Application: IHC-P, WB, Human, H295R cells, Human adrenal cortex, brain
- [Characterization of substrate phosphorylation and use of calmodulin mutants to address implications from the enzyme crystal structure of calmodulin-dependent protein kinase I.](#)
Chin D, Winkler KE, Means AR.
The Journal of Biological Chemistry 1997 Dec; 272(50):31235.
- [Human calcium-calmodulin dependent protein kinase I: cDNA cloning, domain structure and activation by phosphorylation at threonine-177 by calcium-calmodulin dependent protein kinase I kinase.](#)
Haribabu B, Hook SS, Selbert MA, Goldstein EG, Tomhave ED, Edelman AM, Snyderman R, Means AR.
The EMBO Journal 1995 Aug; 14(15):3679.

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