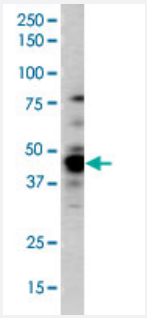
CAMK1D polyclonal antibody

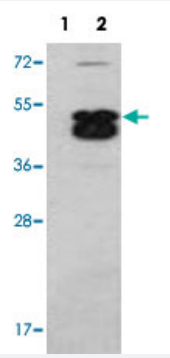
Catalog # PAB2768 Size 400 uL

Applications



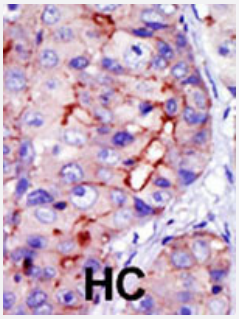
Western Blot (Cell lysate)

Western blot analysis of NCI-H460 cell lysate with CAMK1D polyclonal antibody (Cat # PAB2768). Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Western Blot (Transfected lysate)

Western blot analysis of CAMK1D (arrow) using CAMK1D polyclonal antibody (Cat # PAB2768).
293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CAMK1D gene (Lane 2).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with CAMK1D polyclonal antibody (Cat # PAB2768) , 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. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CAMK1D.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CAMK1D.
Host	Rabbit
Reactivity	Human
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 shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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  293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CAMK1D gene (Lane 2).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — CAMK1D

Entrez GeneID	57118
Protein Accession#	Q9HD31;NP_705718
Gene Name	CAMK1D

Gene Alias	CKLiK, CaM-K1, CaMKID
Gene Description	calcium/calmodulin-dependent protein kinase ID
Omim ID	607957
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the Ca2+/calmodulin-dependent protein kinase 1 subfamily of serine/threonine kinases. The encoded protein may be involved in the regulation of granulocyte function through the chemokine signal transduction pathway. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq
Other Designations	CaM kinase ID|CamKI-like protein kinase|OTTHUMP00000019119|OTTHUMP00000019120|OTTHUMP00000045030

Publication Reference

- Identification and characterization of novel components of a Ca2+/calmodulin-dependent protein kinase cascade in HeLa cells.

  Ishikawa Y, Tokumitsu H, Inuzuka H, Murata-Hori M, Hosoya H, Kobayashi R.

  FEBS Letters 2003 Aug; 550(1-3):57.

- Identification and characterization of CKLiK, a novel granulocyte Ca(++)/calmodulin-dependent kinase.

  Verploegen S, Lammers JW, Koenderman L, Coffer PJ.

  Blood 2000 Nov; 96(9):3215.

Disease

- Alzheimer Disease
- Birth Weight
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Diabetes Complications
- Diabetes Mellitus

- Disease Susceptibility
- Genetic Predisposition to Disease
- Glucose Intolerance
- HIV Infections
- Hyperglycemia
- Insulin Resistance
- Kidney Failure
- Narcolepsy
- Neoplasm Invasiveness
- Obesity
- Prostatic Neoplasms
- Tobacco Use Disorder