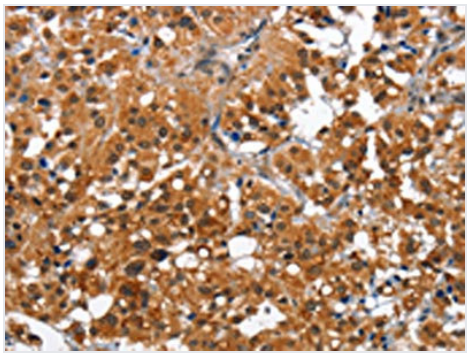
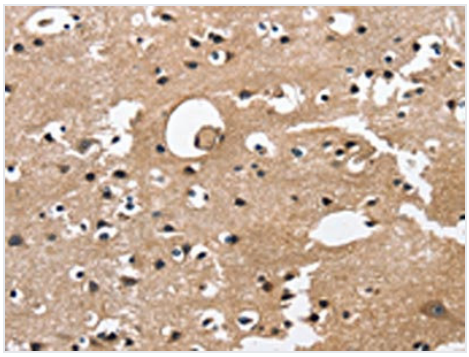
CAMK1D Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CAMK1D, Polyclonal Antibody
Full Product Name	CAMK1D Antibody
Product Gene Name	anti-CAMK1D antibody
Product Synonym Names	calcium/calmodulin-dependent protein kinase ID
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	385
OMIM	607957
3D Structure	ModBase 3D Structure for Q8IU85
Immunogen	Fusion protein of human CAMK1D
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CAMK1D antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CAMK1D antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-CAMK1D antibody	ELISA: 1:1000-1:5000 IHC: 1:50-1:200
Related Product Information for anti-CAMK1D antibody	MBS7125189 is an antibody targeting CAMK1D. Also known as CAMK1D Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-CAMK1D antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-CAMK1D antibody
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7125189(CAMK1D Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-CAMK1D antibody
The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using MBS7125189(CAMK1D Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CAMK1D. It may not necessarily be applicable to this product.

NCBI GI #	56404610
NCBI GeneID	57118
NCBI Accession #	Q8IU85.1
UniProt Primary Accession #	Q8IU85
UniProt Secondary Accession #	Q9HD31; B0YIY0
UniProt Related Accession #	Q8IU85
NCBI Official Full Name	Calcium/calmodulin-dependent protein kinase type 1D
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase ID
NCBI Official Symbol	CAMK1D
NCBI Official Synonym Symbols	CKLiK; CaM-K1; CaMKID
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type 1D
UniProt Synonym Protein Names	CaM kinase I delta; CaM kinase ID; CaM-KI delta; CaMKI delta; CaMKID; CaMKI-like protein kinase; CKLiK
Protein Family	Calcium/calmodulin-dependent protein kinase
UniProt Gene Name	CAMK1D
UniProt Synonym Gene Names	CAMKID; CaM kinase ID; CaM-KI delta; CaMKI delta; CaMKID; CKLiK
UniProt Entry Name	KCC1D_HUMAN
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type 1D; caMKI delta; caM-KI delta; CaM kinase ID; caM kinase I delta; CamKI-like protein kinase
NCBI Summary for CAMK1D	This gene is a member of the calcium/calmodulin-dependent protein kinase 1 family, a subfamily of the serine/threonine kinases. The encoded protein is a component of the calcium-regulated calmodulin-dependent protein kinase cascade. It has been associated with multiple processes including regulation of granulocyte function, activation of CREB-dependent gene transcription, aldosterone synthesis, differentiation and activation of neutrophil cells, and apoptosis of erythroleukemia cells. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq, Jan 2015]

UniProt Comments for CAMK1D	CAMK1D: a calcium/calmodulin-dependent S/T protein kinase of the CAMK group. Binding of calmodulin is thought to result in a conformational change and can lead to subsequent activation through phosphorylation by CAMKK1 and CAMKK2. Can be activated by CAMKK1 in a calcium-independent manner. Its Ca(2+)/CaM-dependent activity is enhanced 30-fold in vitro by phosphorylation at Thr180 by CaMKK1. Broadly expressed. Highly and mostly expressed in polymorphonuclear leukocytes (neutrophilic and eosinophilic granulocytes) while little or no expression is observed in monocytes and lymphocytes. May regulate calcium-mediated granulocyte function. May play a role in apoptosis of erythroleukemia cells. In vitro, phosphorylates transcription factor CREM isoform Beta and probably CREB1. Expression increases upon treatment of EC cells with DMSO and retinoic acid. Two isoforms of the human protein are produced by alternative splicing. Protein type: Kinase, protein; Protein kinase, Ser/Thr (non-receptor); Protein kinase, CAMK; EC 2.7.11.17; CAMK group; CAMK1 family Chromosomal Location of Human Ortholog: 10p13 Cellular Component: cytoplasm; nucleus Molecular Function: calmodulin binding; calmodulin-dependent protein kinase activity; ATP binding Biological Process: positive regulation of apoptosis; positive regulation of phagocytosis; activation of CREB transcription factor; regulation of dendrite development; inflammatory response; protein amino acid phosphorylation; negative regulation of apoptosis
Research Articles on CAMK1D	**1.** Substantiation of the roles of CAMK1D and CDKAL1 in gluconeogenic and glyconeogenic pathways in primary human hepatocytes.
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