10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Camk1d Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14114

Product Information

Application	WB
Primary Accession	Q8BW96
Other Accession	NM_177343, NP_796317
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42919

Additional Information

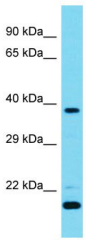
Gene ID	227541
Alias Symbol	A630059D12Rik, CKLiK, CaMKIdelta, E030025C11Rik
Other Names	Calcium/calmodulin-dependent protein kinase type 1D, 2.7.11.17, CaM kinase I delta, CaM-KI delta, CaMKI delta, CaM kinase ID, CaMKI-like protein kinase, CKLiK, mCKLiK, Camk1d
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Camk1d antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Camk1d Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Camk1d
Function	Calcium/calmodulin-dependent protein kinase that operates in the calcium-triggered CaMKK-CaMK1 signaling cascade and, upon calcium influx, activates CREB-dependent gene transcription, regulates calcium- mediated granulocyte function and respiratory burst and promotes basal dendritic growth of hippocampal neurons. In neutrophil cells, required for cytokine-induced proliferative responses and activation of the respiratory burst. Activates the transcription factor CREB1 in hippocampal neuron nuclei. May play a role in apoptosis of erythroleukemia cells. In vitro, phosphorylates transcription factor CREM isoform Beta (By similarity). Isoform 1 but not

	isoform 2 activates CREB1.
Cellular Location	Cytoplasm. Nucleus. Note=Predominantly cytoplasmic. Nuclear upon activation.
Tissue Location	Expressed ubiquitously with high levels in brain and low levels in kidney. Isoform 2 is highly expressed in brain compared to other tissues. In hematopoietic cell lines predominant expression was detected in T and EC cells

Images



Host: Rabbit
Target Name: Camk1d
Sample Tissue: Mouse Testis lysates
Antibody Dilution: 1.0µg/ml