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Mouse Camk1d Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20362a

Product Information

Application	WB, E
Primary Accession	Q8BW96
Other Accession	Q8IU85
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42821
Calculated MW	42919
Antigen Region	39-67

Additional Information

Gene ID	227541
Other Names	Calcium/calmodulin-dependent protein kinase type 1D, CaM kinase I delta, CaM-KI delta, CaMKI delta, CaM kinase ID, CaMKI-like protein kinase, CKLiK, mCKLiK, Camk1d
Target/Specificity	This Mouse Camk1d antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 39-67 amino acids from the N-terminal region of mouse Camk1d.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Mouse Camk1d Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

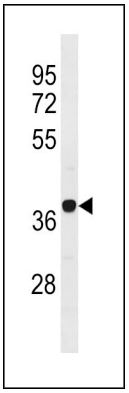
Name	Camk1d
Function	Calcium/calmodulin-dependent protein kinase that operates in the

	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

Background

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. Phosphorylates the transcription activator CREB1 on 'Ser-133' 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.

Images



Mouse Camk1d Antibody (N-term) (Cat. #AP20362a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the Mouse Camk1d antibody detected the Mouse Camk1d protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.