

Camk1d Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14114**Specification**

Camk1d Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q8BW96
Other Accession	NM_177343 , NP_796317
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42kDa KDa

Camk1d Antibody - N-terminal region - 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.

Camk1d Antibody - N-terminal region - 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.

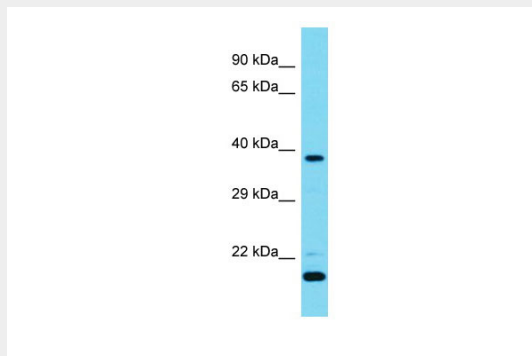
Tissue Location

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

Camk1d Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Camk1d Antibody - N-terminal region - Images

Host: Rabbit

Target Name: Camk1d

Sample Tissue: Mouse Testis lysates

Antibody Dilution: 1.0µg/ml