

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

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**Camk1d Antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">Q8BW96</a>
Other Accession	<a href="#">NM_177343</a> , <a href="#">NP_796317</a>
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.

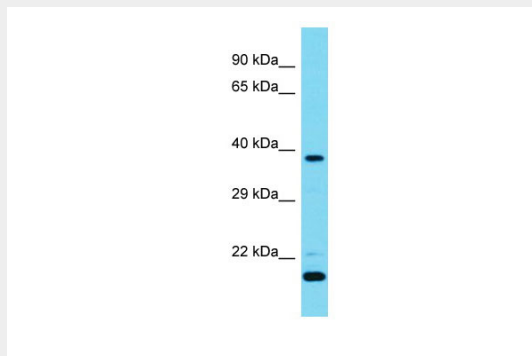
**Tissue Location**

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