

For Research Use Only

# CaMKII Delta Polyclonal antibody

Catalog Number: 15443-1-AP **5 Publications**



## Basic Information

**Catalog Number:**

15443-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG7323

**GenBank Accession Number:**

BC032784

**GeneID (NCBI):**

817

**UNIPROT ID:**

Q13557

**Full Name:**

calcium/calmodulin-dependent  
protein kinase II delta

**Calculated MW:**

59 kDa

**Observed MW:**

64 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

mouse, rat

## Background Information

CaMKII delta, also named as CAMKD and CaMKII delta, belongs to the protein kinase superfamily, CAMK Ser/Thr protein kinase family and CaMK subfamily. CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release, composed of four different chains: alpha, beta, gamma, and delta. The CAMK2 protein kinases contain a unique C-terminal subunit association domain responsible for oligomerization. The different chains assemble into homo- or heteromultimeric holoenzymes composed of 8 to 12 subunits. This antibody may have cross reaction with CAMK2A/B/G due to the high homology.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shaoshao Zhang	34628110	Cell Calcium	WB
Jiali Nie	30488495	J Cell Physiol	WB
Xiuhuan Chen	32629001	Life Sci	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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## Selected Validation Data