

For Research Use Only

# CAMK2D Recombinant antibody

Catalog Number: 81014-1-RR



## Basic Information

<b>Catalog Number:</b> 81014-1-RR	<b>GenBank Accession Number:</b> BC032784	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 817	<b>CloneNo.:</b> 1M10
<b>Source:</b> Rabbit	<b>Full Name:</b> calcium/calmodulin-dependent protein kinase II delta	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 56 kDa	
<b>Immunogen Catalog Number:</b> AG31276	<b>Observed MW:</b> 54-59 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : rat brain tissue, mouse brain tissue, pig brain tissue
<b>Species Specificity:</b> Human, Mouse, Rat, pig	

## Background Information

CaMKII delta, also named as CAMKD, 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 is specific to the C-term of delta chain, CaMKII delta. It may also recognize CAMK2A due to the high homology.

## Storage

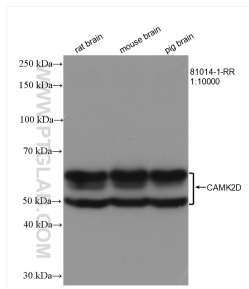
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81014-1-RR (CAMK2D antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.