

For Research Use Only

# CAMK2N2 Polyclonal antibody

Catalog Number: 28090-1-AP



## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>28090-1-AP                          | <b>GenBank Accession Number:</b><br>BC105077                                    | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>150ul , Concentration: 300 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>94032  | <b>Recommended Dilutions:</b><br>IHC 1:50-1:500              |
| <b>Source:</b><br>Rabbit                                      | <b>Full Name:</b><br>calcium/calmodulin-dependent protein kinase II inhibitor 2 |  |
| <b>Isotype:</b><br>IgG  |   |  |
| <b>Immunogen Catalog Number:</b><br>AG26872                   |   |  |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>IHC, ELISA  | <b>Positive Controls:</b><br>IHC : mouse brain tissue, |
| <b>Species Specificity:</b><br>Human, mouse  |  |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |  |

## Background Information

Calcium/calmodulin-dependent protein kinase II (CaMKII) is a key synaptic signaling molecule that regulates numerous physiological functions. CaMK2N2, also known as CAMK1IN, is one of the endogenous inhibitors of CaMKII. CaMK2N2 plays an important role in the regulation of cell growth (PMID: 11444830).

## Storage

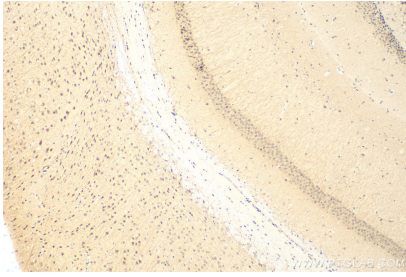
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

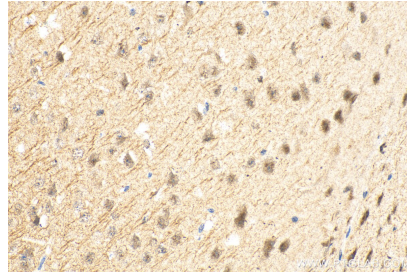
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28090-1-AP (CAMK2N2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28090-1-AP (CAMK2N2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).