

For Research Use Only

# CAMK2N2 Polyclonal antibody

Catalog Number: 28090-1-AP



## Basic Information

**Catalog Number:**

28090-1-AP

**Size:**

150ul , Concentration: 300 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG26872

**GenBank Accession Number:**

BC105077

**GeneID (NCBI):**

94032

**UNIPROT ID:**

Q96S95

**Full Name:**

calcium/calmodulin-dependent protein kinase II inhibitor 2

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, ELISA

**Species Specificity:**

Human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

IHC : mouse brain tissue,

## 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

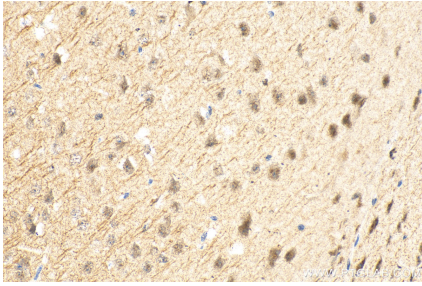
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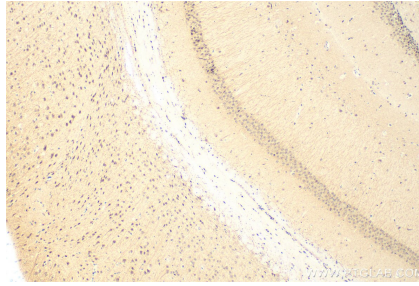
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28090-1-AP (CAMK2N2 antibody) at dilution of 1:200 (under 40x 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 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).