

# Calmodulin 1/2/3 Polyclonal antibody

Catalog Number: 28270-1-AP

## Basic Information

<b>Catalog Number:</b> 28270-1-AP	<b>GenBank Accession Number:</b> BC006464	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1200 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 805	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P62158	
<b>Isotype:</b> IgG	<b>Full Name:</b> calmodulin 2 (phosphorylase kinase, delta)	
<b>Immunogen Catalog Number:</b> AG28000	<b>Calculated MW:</b> 17 kDa	
	<b>Observed MW:</b> 17-22 kDa	

## Applications

<b>Tested Applications:</b> WB, IF, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat	<b>WB :</b> mouse skeletal muscle tissue, rat skeletal muscle tissue
<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>	<b>IHC :</b> rat brain tissue, mouse brain tissue, mouse skeletal muscle tissue
	<b>IF/ICC :</b> HeLa cells,

## Background Information

Calmodulin is the most widely distributed and most versatile member of a family of calcium-binding proteins which probably serve as receptors for the Ca<sup>2+</sup> signal. Through the regulation of a wide variety of intracellular enzymes, calmodulin plays a key role in many physiological processes (PMID: 6313166).

## Storage

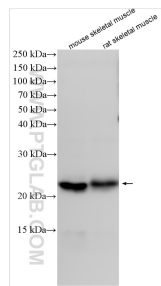
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

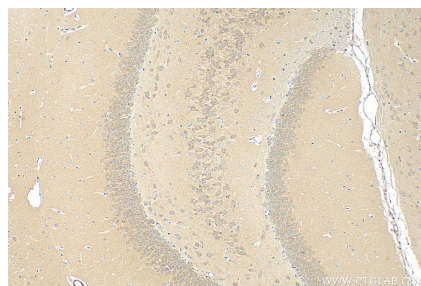
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

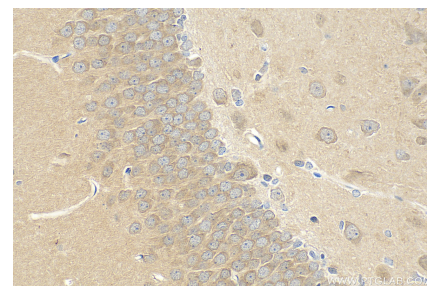
## Selected Validation Data



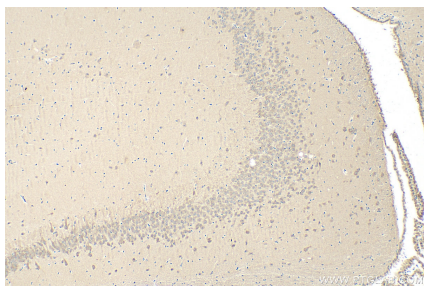
Various lysates were subjected to SDS PAGE followed by western blot with 28270-1-AP (Calmodulin 1/2/3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



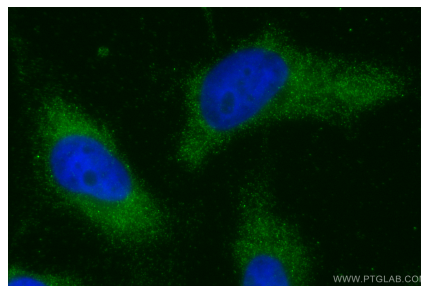
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 28270-1-AP (Calmodulin 1/2/3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 28270-1-AP (Calmodulin 1/2/3 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 28270-1-AP (Calmodulin 1/2/3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Calmodulin 1/2/3 antibody (28270-1-AP) at dilution of 1:200 and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).