

Calmodulin 1/2/3 Polyclonal antibody

Catalog Number: 28270-1-AP

Basic Information

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

Applications

Tested Applications:
IF-Fro, IHC, WB, ELISA

Species Specificity:
Human, mouse, rat

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:

WB: mouse skeletal muscle tissue, rat skeletal muscle tissue

IHC: rat brain tissue, mouse brain tissue, mouse skeletal muscle tissue

IF/ICC: 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 Ca²⁺ 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

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

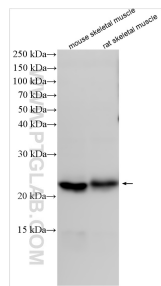
T: 4006900926

E: Proteintech-CN@ptglab.com

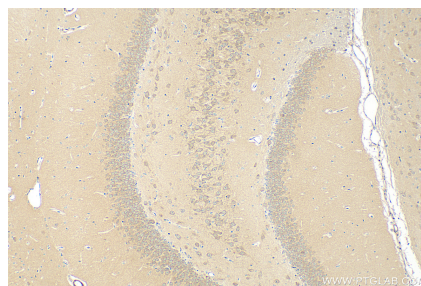
W: ptgcn.com

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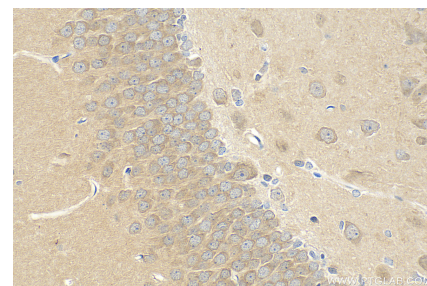
Selected Validation Data



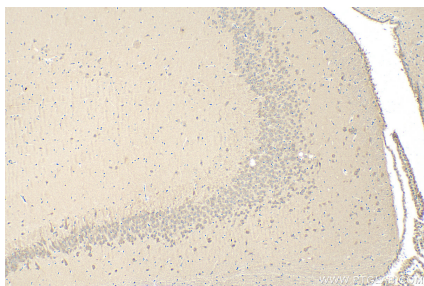
Various lysates were subjected to SDS PAGE followed by western blot with 28270-1-AP (Calmodulin 1/2/3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



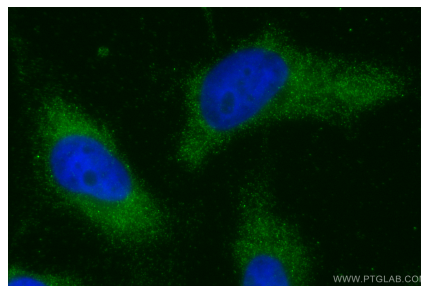
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 28270-1-AP (Calmodulin 1/2/3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).