

For Research Use Only

Calmodulin Polyclonal antibody

Catalog Number: 10541-1-AP **6 Publications**



Basic Information

Catalog Number: 10541-1-AP	GenBank Accession Number: BC006182	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 808	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: calmodulin 3 (phosphorylase kinase, delta)	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 17 kDa	
Immunogen Catalog Number: AG0827	Observed MW: 17 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IHC, IP, WB	WB : Ramos cells, mouse brain tissue, NCCIT cell, MCF-7 cells, HepG2 cells, human brain tissue, HeLa cells
Species Specificity: human, mouse	IP : Ramos cells,
Cited Species: human, mouse	IHC : human breast cancer tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Calmodulin (CaM) is a Ca²⁺-binding protein that transduces Ca²⁺-mediated signals by binding to and regulating the activity of hundreds of enzymes and non-enzymatic proteins. It is highly conserved across species and involved in many biological processes, including vesicle release, cell proliferation, and apoptosis. This antibody can recognize CALM1, CALM2 and CALM3.

Notable Publications

Author	Pubmed ID	Journal	Application
Weiwei Yang	29416594	Oncotarget	IP
Liang Zhou	33248694	Biochem Biophys Res Commun	WB
Lai-Ling Du	29532428	J Cardiovasc Transl Res	WB

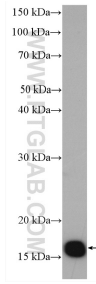
Storage

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

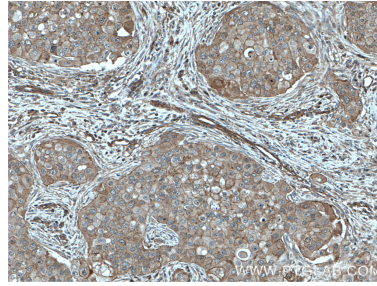
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

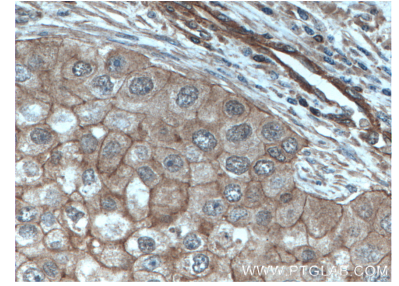
Selected Validation Data



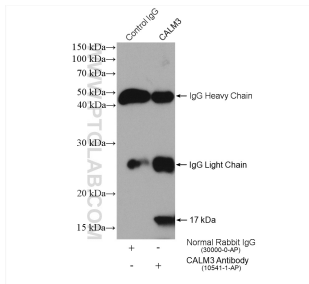
Ramos cells were subjected to SDS PAGE followed by western blot with 10541-1-AP (Calmodulin antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10541-1-AP (Calmodulin 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 human breast cancer tissue slide using 10541-1-AP (Calmodulin antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-Calmodulin(IP:10541-1-AP, 2ug; Detection:10541-1-AP 1:600) with Ramos cells lysate 1120 ug.