

For Research Use Only

CAMK1 Polyclonal antibody

Catalog Number: 24312-1-AP

2 Publications



Basic Information

Catalog Number: 24312-1-AP	GenBank Accession Number: BC106755	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8536	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: calcium/calmodulin-dependent protein kinase I	
Isotype: IgG	Calculated MW: 370 aa, 41 kDa	
Immunogen Catalog Number: AG19449	Observed MW: 41 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, IP : HEK-293 cells, IHC : human colon cancer tissue, human breast cancer tissue IF : HEK-293 cells,
Cited Applications: IHC, WB	
Species Specificity: human	
Cited Species: 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	

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
Huilei Zheng	32908925	Biomed Res Int	WB
Du Yuan	38216068	Biochim Biophys Acta Mol Basis Dis	IHC

Storage

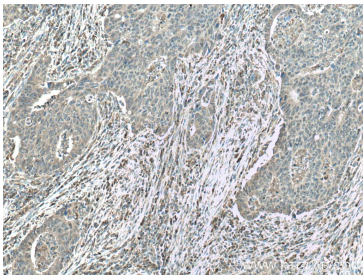
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

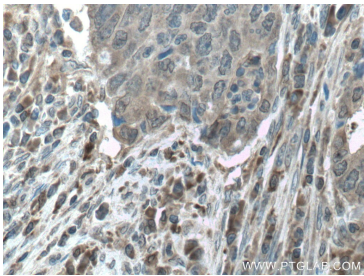
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

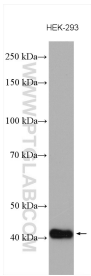
Selected Validation Data



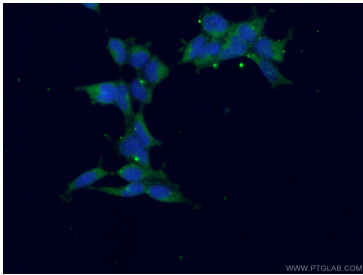
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24312-1-AP (CAMK1 antibody) at dilution of 1:200 (under 10x lens) Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



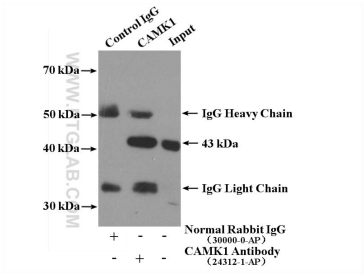
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24312-1-AP (CAMK1 antibody) at dilution of 1:200 (under 40x lens) Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 24312-1-AP (CAMK1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 24312-1-AP (CAMK1 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-CAMK1 (IP:24312-1-AP, 4ug; Detection:24312-1-AP 1:300) with HEK-293 cells lysate 3400ug.