

For Research Use Only

# CAMK1 Polyclonal antibody

Catalog Number: 24312-1-AP

2 Publications



## Basic Information

### Catalog Number:

24312-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG19449

### GenBank Accession Number:

BC106755

### GeneID (NCBI):

8536

### UNIPROT ID:

Q14012

### Full Name:

calcium/calmodulin-dependent protein kinase I

### Calculated MW:

370 aa, 41 kDa

### Observed MW:

41 kDa

### Purification Method:

Antigen affinity purification

### 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/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human, mouse

### Positive Controls:

WB : HEK-293 cells,

IP : HEK-293 cells,

IHC : human colon cancer tissue, human breast cancer tissue

IF/ICC : HEK-293 cells,

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

## 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

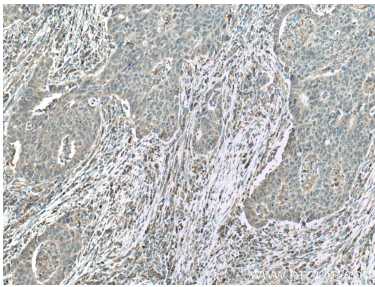
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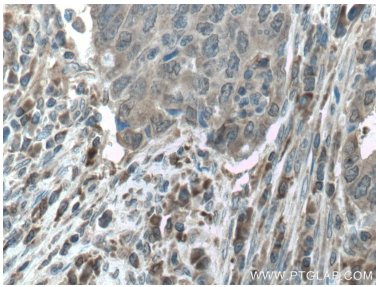
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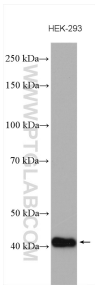
Selected Validation Data



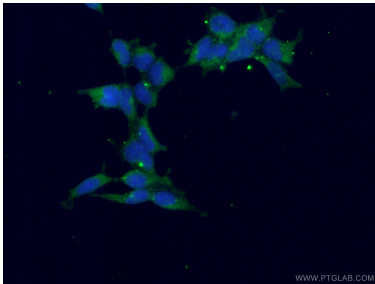
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24312-1-AP (CAMK1 antibody) at dilution of 1:200 (under 10x lens) Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



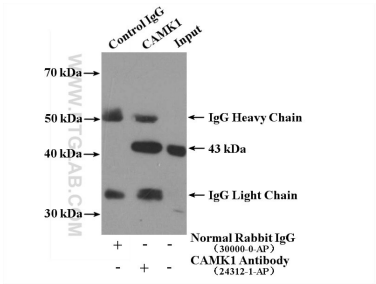
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24312-1-AP (CAMK1 antibody) at dilution of 1:200 (under 40x lens) Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



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 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.