

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/ICC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q14012 | |
| Isotype: IgG | Full Name: calcium/calmodulin-dependent protein kinase I | |
| Immunogen Catalog Number: AG19449 | Calculated MW: 370 aa, 41 kDa | |
| | Observed MW: 41 kDa | |

Applications

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

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

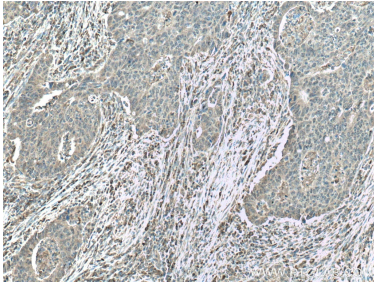
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

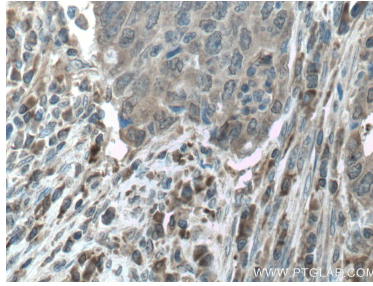
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

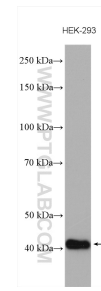
Selected Validation Data



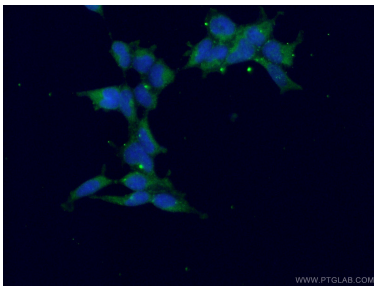
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24312-1-AP (CAMK1 antibody) at dilution of 1:200 (under 10x lens) Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



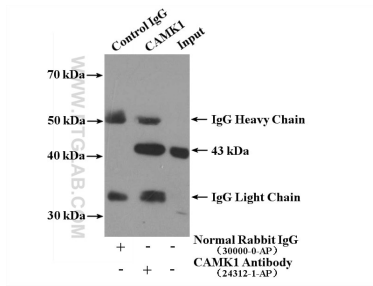
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24312-1-AP (CAMK1 antibody) at dilution of 1:200 (under 40x lens) Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



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.