

For Research Use Only

# MARK2 Polyclonal antibody

Catalog Number: 15492-1-AP

Featured Product

11 Publications



## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>15492-1-AP                          | <b>GenBank Accession Number:</b><br>BC008771                      | <b>Purification Method:</b><br>Antigen affinity purification                                     |
| <b>Size:</b><br>150ul , Concentration: 450 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>2011                                     | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000<br>IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB |
| <b>Source:</b><br>Rabbit                                      | <b>Full Name:</b><br>MAP/microtubule affinity-regulating kinase 2 | <b>IHC 1:200-1:800</b>   |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>88 kDa                                   |  |
| <b>Immunogen Catalog Number:</b><br>AG7884                    | <b>Observed MW:</b><br>77-90 kDa                                  |  |

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

IF, IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

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 brain tissue, rat brain tissue

**IP** : rat brain tissue,

**IHC** : human prostate cancer tissue, human brain tissue, mouse testis tissue

## Background Information

MARK2 is also named as EMK1(ELKL motif kinase 1), Par1b and belongs to the CAMK Ser/Thr protein kinase family. Par1b/MARK2 plays a critical role in neuronal polarity in the process of axon specification from multiple candidate neurites using primary cultures of mammalian hippocampal neurons(PMID:20194617). It has 16 isoforms produced by alternative promoter usage and alternative splicing with the molecular mass of 77-90kDa and can exist as a dimer(PMID:16803889).

## Notable Publications

| Author        | Pubmed ID | Journal       | Application |
|---------------|-----------|---------------|-------------|
| Tsz-Yin Chan  | 34504101  | Nat Commun    | IP          |
| Lingling Wang | 33094326  | Endocrinology | WB          |
| Ying Gao      | 27815338  | FASEB J       | 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

**\*\*\* 20ul sizes contain 0.1% BSA**

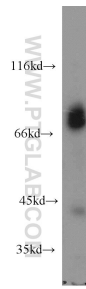
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

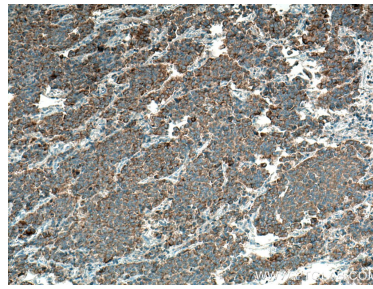
E: proteintech@ptglab.com  
W: ptglab.com

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

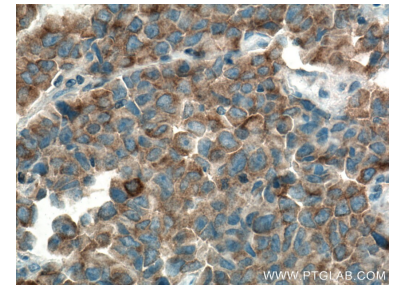
## Selected Validation Data



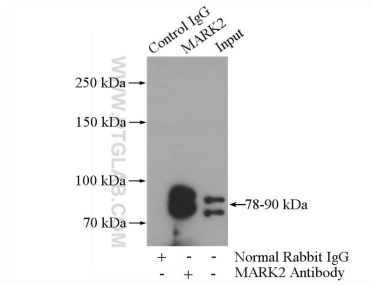
mouse brain tissue were subjected to SDS PAGE followed by western blot with 15492-1-AP (MARK2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



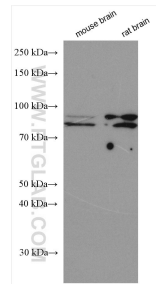
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15492-1-AP (MARK2 antibody) at dilution of 1:600 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15492-1-AP (MARK2 antibody) at dilution of 1:600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-MARK2 (IP:15492-1-AP, 4ug; Detection:15492-1-AP 1:1000) with rat brain tissue lysate 4000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 15492-1-AP (MARK2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.