

For Research Use Only

MARK2 Polyclonal antibody

Catalog Number: 15492-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

15492-1-AP

Concentration:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7884

GenBank Accession Number:

BC008771

GeneID (NCBI):

2011

UNIPROT ID:

Q7KZI7

Full Name:

MAP/microtubule affinity-regulating kinase 2

Calculated MW:

88 kDa

Observed MW:

77-90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC: 1:200-1:800

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP

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 77-90 kDa 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

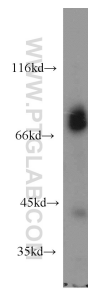
T: 4006900926

E: Proteintech-CN@ptglab.com

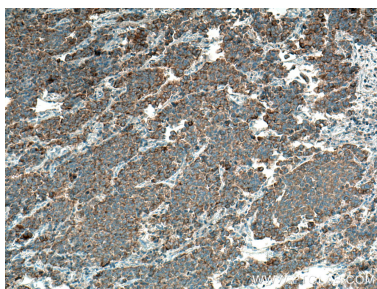
W: ptgcn.com

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

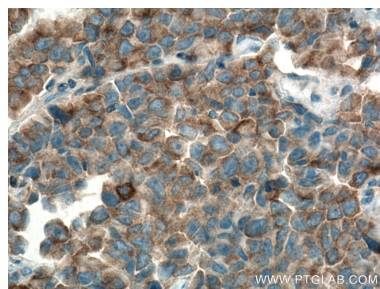
Selected Validation Data



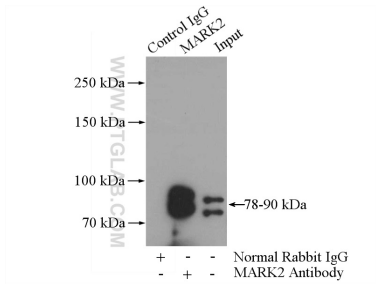
mouse brain tissue were subjected to SDS PAGE followed by western blot with 15492-1-AP (MARK2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



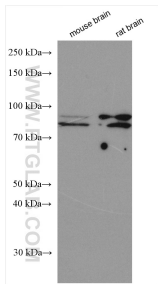
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15492-1-AP (MARK2 antibody) at dilution of 1:600 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.