

For Research Use Only

MARK2 Polyclonal antibody

Catalog Number: 15492-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

15492-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

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 ug 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, 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 77-90kDa 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

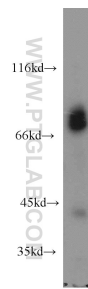
For technical support and original validation data for this product please contact:

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

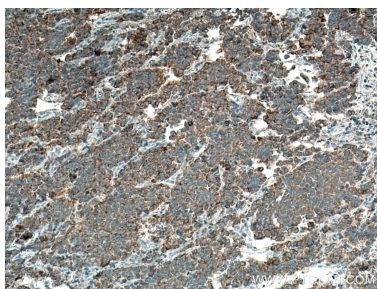
E: proteintech@ptglab.com
W: ptglab.com

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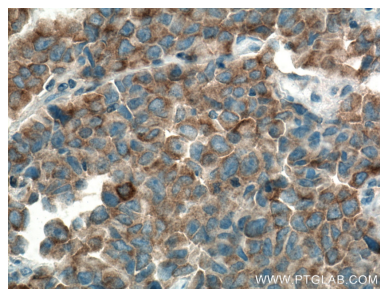
Selected Validation Data



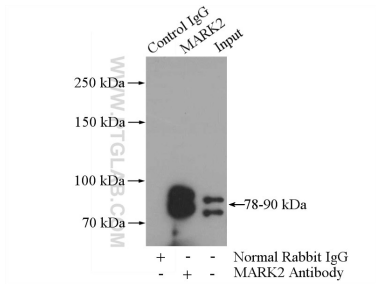
mouse brain tissue were subjected to SDS PAGE followed by western blot with 15492-1-AP (MARK2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



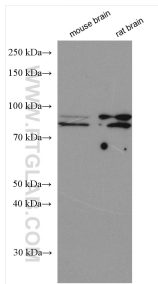
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15492-1-AP (MARK2 antibody) at dilution of 1:600 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.