

For Research Use Only

MKNK2 Polyclonal antibody

Catalog Number: 17354-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

17354-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10546

GenBank Accession Number:

BC018345

GeneID (NCBI):

2872

UNIPROT ID:

Q9HBH9

Full Name:

MAP kinase interacting serine/threonine kinase 2

Calculated MW:

465 aa, 52 kDa

Observed MW:

47-52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:100-1:400

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB : mouse spleen tissue, MCF-7 cells

IHC : human breast cancer tissue,

IF/ICC : MCF-7 cells,

Background Information

MKNK2 (MAP kinase-interacting serine/threonine-protein kinase 2) is also named as GPRK7, MNK2 and belongs to the CAMK Ser/Thr protein kinase family. It has a conserved C-terminal Erk-interacting domain, a catalytic domain with homology to the calcium/calmodulin-dependent family of kinases, and putative MAP kinase phosphorylation sites located within the T loop of the kinase domain (PMID:9155017). The breast cancer cells express either an uncharacterized form of MNK2 or a cross-reacting MNK2-like protein with the band of 72-75 kDa by western blot (PMID:17130135). MKNK2 has 2 isoforms with the molecular mass of 52 kDa and 47 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Milagros Suarez	34012509	Oncotarget	WB
Osamu Ichiyanagi	31258849	Oncotarget	WB
Zhiling Luo	31971563	Clin Sci (Lond)	

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

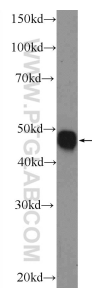
For technical support and original validation data for this product please contact:

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

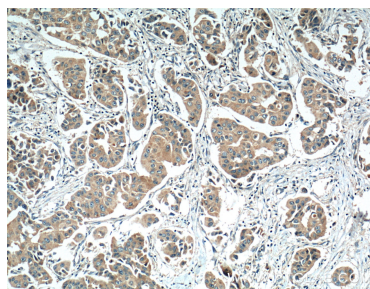
E: proteintech@ptglab.com
W: ptglab.com

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

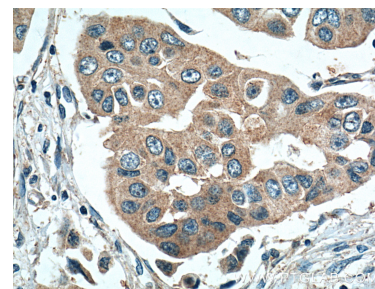
Selected Validation Data



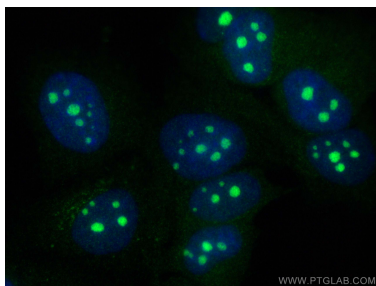
mouse spleen tissue were subjected to SDS PAGE followed by western blot with 17354-1-AP (MKNK2 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17354-1-AP (MKNK2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17354-1-AP (MKNK2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using MKNK2 antibody (17354-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).