

For Research Use Only

MKKNK2 Polyclonal antibody

Catalog Number: 17354-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

17354-1-AP

Size:

150ul, Concentration: 300 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;

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 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:100-1:400

IF 1:10-1:100

Applications

Tested Applications:

WB, IF, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: mouse spleen tissue, MCF-7 cells

IHC: human breast cancer tissue,

IF: MCF-7 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

MKKNK2 (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). MKKNK2 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

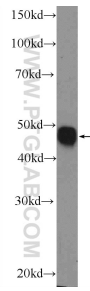
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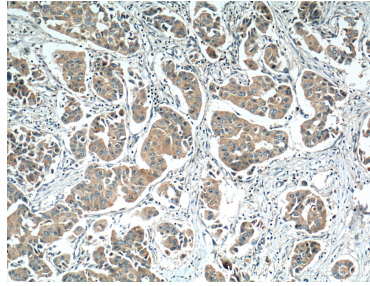
E: proteintech@ptglab.com
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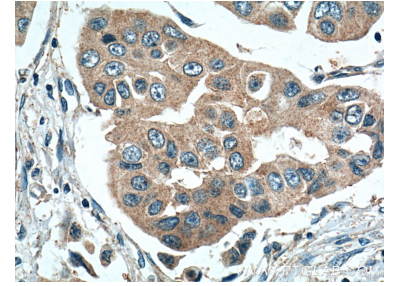
Selected Validation Data



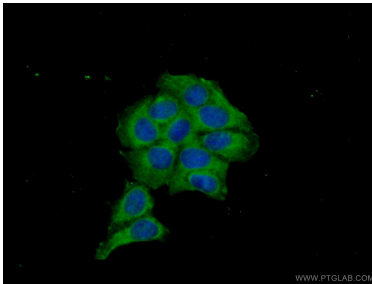
mouse spleen tissue were subjected to SDS PAGE followed by western blot with 17354-1-AP (MKNK2 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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 (-20°C Ethanol) fixed MCF-7 cells using 17354-1-AP (MKNK2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).