

MKP-2 Monoclonal antibody

Catalog Number: 66349-1-Ig

Featured Product

6 Publications

Basic Information

Catalog Number:

66349-1-Ig

Size:

150ul, Concentration: 1700 µg/ml by 1846
Nanodrop and 1000 µg/ml by Bradford
method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1206

GenBank Accession Number:

BC014565

GeneID (NCBI):

1846

UNIPROT ID:

Q13115

Full Name:

dual specificity phosphatase 4

Calculated MW:

43 kDa

Observed MW:

43 kDa, 33 kDa

Purification Method:

Protein A purification

CloneNo.:

1G1C12

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:1000-1:4000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF, IHC, ELISA

Cited Applications:

WB, IF, IHC, CoIP

Species Specificity:

human, pig, rat, mouse

Cited Species:

human, rat, 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 : pig brain tissue, RAW 264.7 cells, HepG2 cells, PC-12 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue

IHC : human breast cancer tissue, human colon cancer tissue

IF/ICC : HepG2 cells,

Background Information

DUSP4, also named as MKP-2, is a member of the mitogen-activated protein (MAP) kinase phosphatase family which has been suggested to play an important role in the feedback control of MAP kinase-mediated gene expression. DUSP4 preferentially inactivates ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. DUSP4 encodes two distinct isoforms: MKP-2-L (43 kDa) and MKP-2-S (33 kDa).

Notable Publications

Author	Pubmed ID	Journal	Application
Ambika Chandrasekhar	32959171	Mol Neurobiol	IHC
Xiaoman Zhu	36096985	Cell Death Dis	WB
Xianqing Chen	31258782	J Cancer	WB, IHC

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

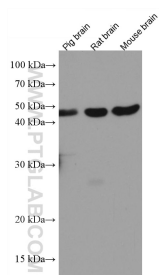
For technical support and original validation data for this product please contact:

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

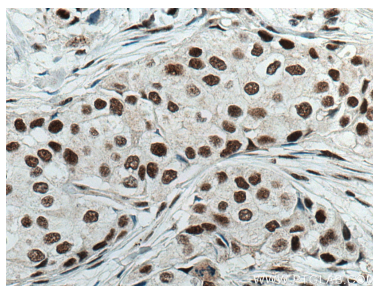
E: proteintech@ptglab.com
W: ptglab.com

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

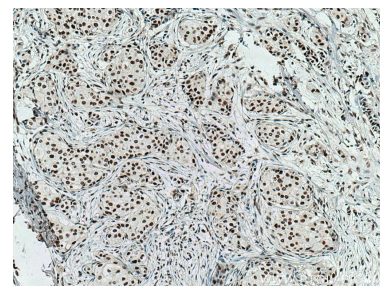
Selected Validation Data



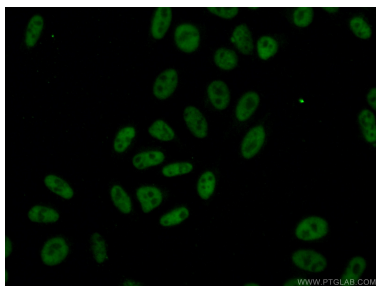
Various lysates were subjected to SDS PAGE followed by western blot with 66349-1-Ig (MKP-2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66349-1-Ig (MKP-2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66349-1-Ig (MKP-2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66349-1-Ig (MKP-2 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).