

MKP-2 Monoclonal antibody

Catalog Number: 66349-1-Ig

Featured Product

6 Publications

Basic Information

Catalog Number:

66349-1-Ig

Size:

1700 µg/ml

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/ICC, 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

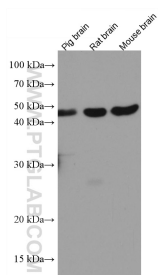
For technical support and original validation data for this product please contact:

T: 4006900926

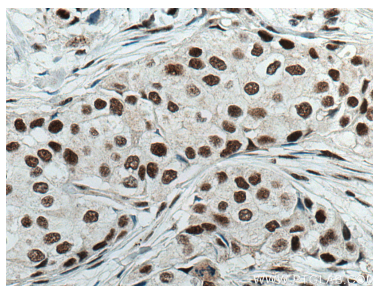
E: Proteintech-CN@ptglab.comW: ptgcn.com

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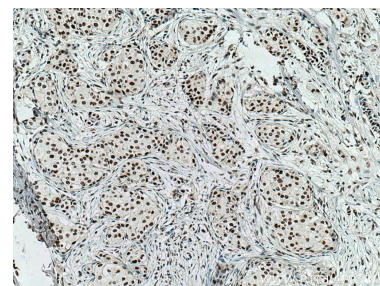
Selected Validation Data



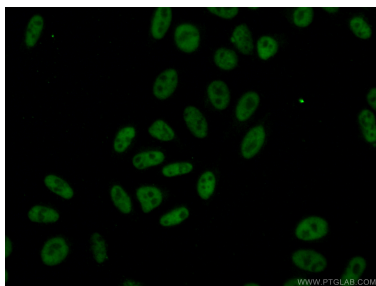
Various lysates were subjected to SDS PAGE followed by western blot with 66349-1-Ig (MKP-2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).