

For Research Use Only

MKP-2 Monoclonal antibody

Catalog Number: 66349-1-Ig 6 Publications



Basic Information

Catalog Number: 66349-1-Ig	GenBank Accession Number: BC014565	Purification Method: Protein G purification
Size: 150ul , Concentration: 1700 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1846	CloneNo.: 1G1C12
Source: Mouse	Full Name: dual specificity phosphatase 4	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:1000-1:4000 IF 1:50-1:500
Isotype: IgG1	Calculated MW: 43 kDa	
Immunogen Catalog Number: AG1206	Observed MW: 43 kDa, 33 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: ColP, IF, IHC, WB	WB : pig brain tissue, RAW 264.7 cells, HepG2 cells, PC-12 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue
Species Specificity: human, pig, rat, mouse	IHC : human breast cancer tissue, human colon cancer tissue
Cited Species: human, rat, mouse	IF : HepG2 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

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

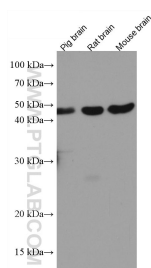
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

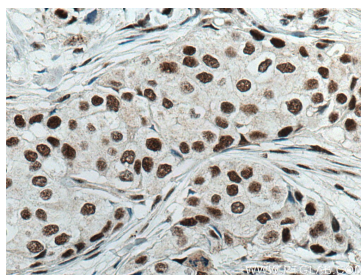
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

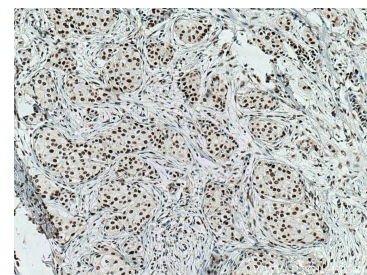
Selected Validation Data



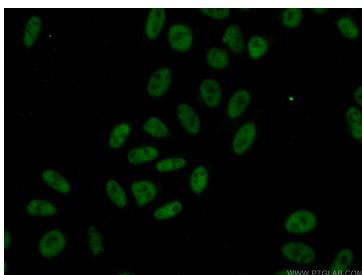
Various lysates were subjected to SDS PAGE followed by western blot with 66349-1-Ig (MKP-2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).