

For Research Use Only

MKP-2/DUSP4 Polyclonal antibody

Catalog Number: 10739-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

10739-1-AP

Concentration:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

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:

40-43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : HCT 116 cells, SK-BR-3 cells

IP : MDA-MB-231 cells,

FC (Intra) : MDA-MB-231 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Ming Chen	30475228	J Clin Invest	WB, IHC
Ze-Qing Pu	34088892	Cell Death Discov	WB
Atsushi Enomoto	40339685	Cell Stress Chaperones	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

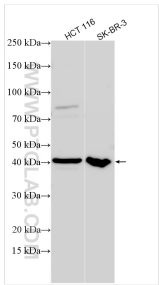
T: 4006900926

E: Proteintech-CN@ptglab.com

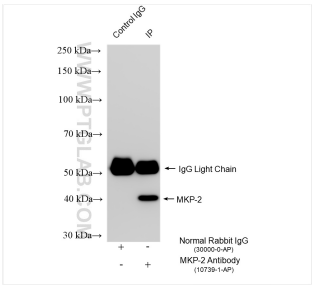
W: ptgcn.com

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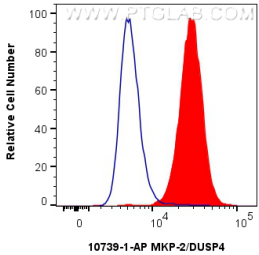
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10739-1-AP (MKP-2/DUSP4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-MKP-2/DUSP4 (IP:10739-1-AP, 4ug; Detection:10739-1-AP 1:2000) with MDA-MB-231 cells lysate 1280 ug.



1x10⁶ MDA-MB-231 cells were intracellularly stained with 0.25 ug MKP-2/DUSP4 Polyclonal antibody (10739-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).