

For Research Use Only

DUSP6 Polyclonal antibody

Catalog Number: 26071-1-AP



Basic Information

Catalog Number:

26071-1-AP

Size:

200 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23474

GenBank Accession Number:

BC003562

GeneID (NCBI):

1848

UNIPROT ID:

Q16828

Full Name:

dual specificity phosphatase 6

Calculated MW:

42 kDa

Observed MW:

42 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IF 1:200-1:800

Applications

Tested Applications:

WB, IP, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HepG2 cells, PC-12 cells, mouse heart tissue

IP : PC-12 cells,

IF : HeLa cells, PC-12 cells

Background Information

Dual specificity phosphatase 6 (DUSP6) is a member of the family of mitogen-activated protein kinase (MAPK) phosphatases, which dephosphorylate and inactivate MAPK (PMID: 9858808). The MAPK pathway is an important signal transduction system that serves cellular processes, such as proliferation, differentiation, migration, and apoptosis. DUSP6 resides at chromosome location 12q22-23, which is one of the candidate loci for susceptibility to bipolar disorder and which encodes a phosphatase selective for extracellular signal-regulated kinase (ERK) (PMID: 9205128). DUSP6 inactivates extracellular signal-regulated kinase (ERK), and can act in tumor suppressive pathways, whose expression is reduced in several different types of cancer. (PMID: 21680106).

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:

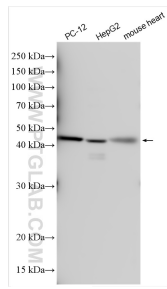
T: 4006900926

E: Proteintech-CN@ptglab.com

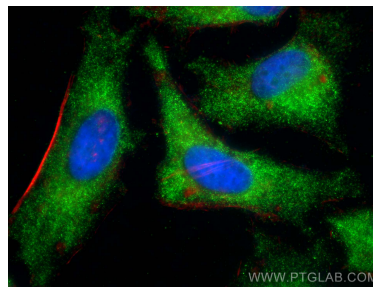
W: ptgcn.com

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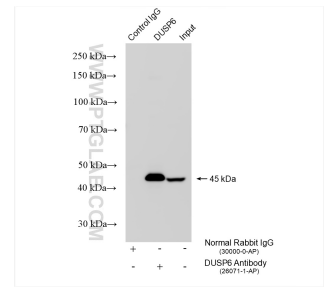
Selected Validation Data



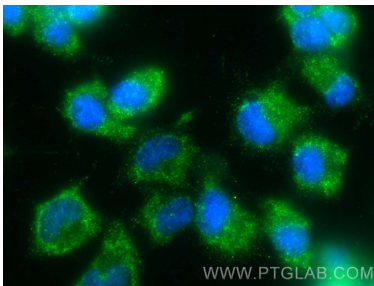
Various lysates were subjected to SDS PAGE followed by western blot with 26071-1-AP (DUSP6 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using DUSP6 antibody (26071-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



IP result of anti-DUSP6 (IP:26071-1-AP, 4ug; Detection:26071-1-AP 1:600) with PC-12 cells lysate 910 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using DUSP6 antibody (26071-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).