

For Research Use Only

DUSP2 Polyclonal antibody

Catalog Number: 27327-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

27327-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25380

GenBank Accession Number:

BC007771

GeneID (NCBI):

1844

UNIPROT ID:

Q05923

Full Name:

dual specificity phosphatase 2

Calculated MW:

34 kDa

Observed MW:

34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, FC, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB: A549 cells, HeLa cells

Background Information

DUSP2 belongs to the sub-family of nuclear specific DUSPs that includes DUSP1, 4 and 5. DUSP2 is highly expressed in immune cells, in particular, of patients with inflammatory arthritis, such as in rheumatoid arthritis (RA), and Dusp2 knockout mice present a significant reduction in inflammatory responses. It has been demonstrated that DUSP2 is a downstream target of the tumor suppressor p53 that is required for the cellular response to oxidative stress. DUSP2 is also involved in transcription factor E2F1-mediated apoptotic signaling. Like other members of the DUSP family, DUSP2 interacts with MAPKs; However, the target protein for its phosphatase activity is controversial.

Notable Publications

Author	Pubmed ID	Journal	Application
Jin Song	35796939	Hum Cell	WB
Jianchao Zhang	35834718	Blood Coagul Fibrinolysis	FC
Jian Fu	36476877	Cell Rep	WB

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

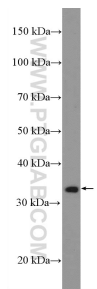
For technical support and original validation data for this product please contact:

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

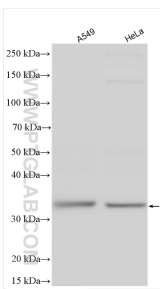
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 27327-1-AP (DUSP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 27327-1-AP (DUSP2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.