

For Research Use Only

DUSP2 Polyclonal antibody

Catalog Number: 27327-1-AP **5 Publications**



Basic Information

Catalog Number: 27327-1-AP	GenBank Accession Number: BC007771	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 1844	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q05923	
Isotype: IgG	Full Name: dual specificity phosphatase 2	
Immunogen Catalog Number: AG25380	Calculated MW: 34 kDa	
	Observed MW: 34 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, HeLa cells
Cited Applications: FC, WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	

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

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

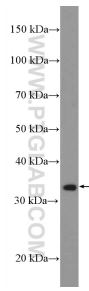
T: 4006900926

E: Proteintech-CN@ptglab.com

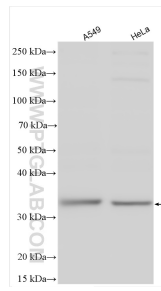
W: ptgcn.com

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

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.