

For Research Use Only

# DUSP2 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 27327-1-AP	<b>GenBank Accession Number:</b> BC007771	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1844	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> dual specificity phosphatase 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 34 kDa	
<b>Immunogen Catalog Number:</b> AG25380	<b>Observed MW:</b> 34 kDa	

## Applications

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

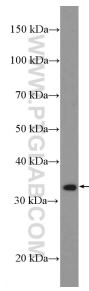
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

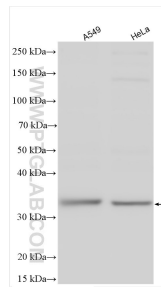
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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.