

For Research Use Only

# DPF2 Polyclonal antibody

Catalog Number: 12111-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 12111-1-AP	<b>GenBank Accession Number:</b> BC014889	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5977	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> D4, zinc and double PHD fingers family 2	<b>IHC 1:50-1:500</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 391 aa, 44 kDa	
<b>Immunogen Catalog Number:</b> AG2756	<b>Observed MW:</b> 44-50 kDa	

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

IF, IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** Jurkat cells, HeLa cells, Y79 cells, HepG2 cells, mouse thymus tissue, K-562 cells

**IP:** Jurkat cells,

**IHC:** human lung cancer tissue, human testis tissue, human pituitary adenoma tissue

**IF:** HepG2 cells, Hela cells

## Background Information

DPF2, also named as BAF45D or UBID4, is a 391 amino acid protein, which belongs to the requiem/DPF family. DPF2 may be a transcription factor required for the apoptosis response following survival factor withdrawal from myeloid cells and might also have a role in the development and maturation of lymphoid cells. DPF2 was recently shown to inhibit the myeloid differentiation of hematopoietic stem/progenitor and acute myelogenous leukemia cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhenzhen Wang	31736692	Front Neurosci	WB,IHC,IF
Chao Liu	29163067	Front Neuroanat	WB,IHC,IF
Junqi Kuang	34215745	Nat Commun	IF

## 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

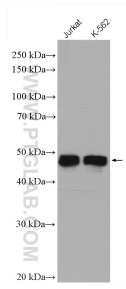
For technical support and original validation data for this product please contact:

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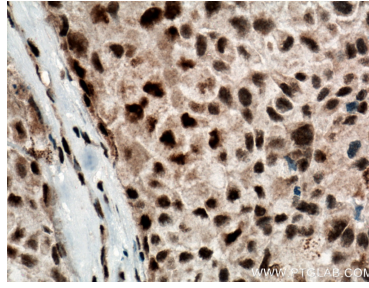
E: proteintech@ptglab.com  
W: ptglab.com

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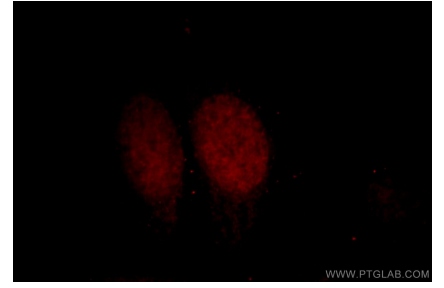
## Selected Validation Data



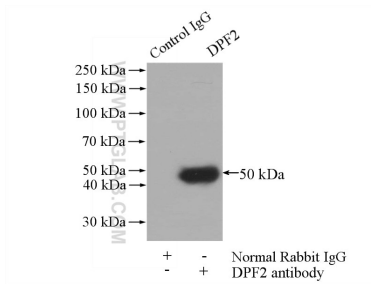
Various cells were subjected to SDS PAGE followed by western blot with 12111-1-AP (DPF2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12111-1-AP (DPF2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells, using DPF2 antibody 12111-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-DPF2 (IP:12111-1-AP, 4ug; Detection:12111-1-AP 1:500) with Jurkat cells lysate 1200ug.