

For Research Use Only

# DPF2 Polyclonal antibody

Catalog Number: 12111-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

12111-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2756

### GenBank Accession Number:

BC014889

### GeneID (NCBI):

5977

### UNIPROT ID:

Q92785

### Full Name:

D4, zinc and double PHD fingers family 2

### Calculated MW:

391 aa, 44 kDa

### Observed MW:

44-50 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:50-1:500

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### 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/ICC**: HepG2 cells, HeLa cells

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

## 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

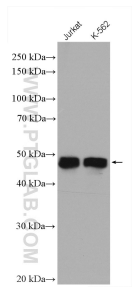
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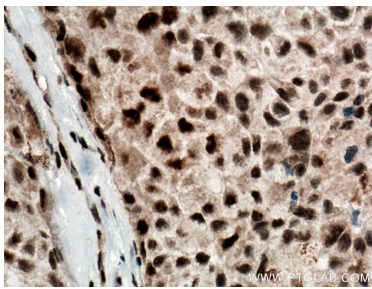
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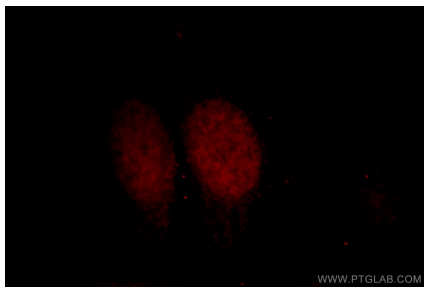
Selected Validation Data



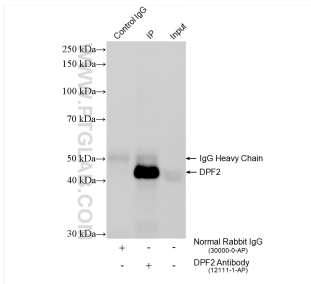
Various cells were subjected to SDS PAGE followed by western blot with 12111-1-AP (DPF2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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 1:6000) with Jurkat cells lysate 1600 ug.