

For Research Use Only

# NF90/ILF3 Polyclonal antibody

Catalog Number: 19887-1-AP

Featured Product

25 Publications



## Basic Information

### Catalog Number:

19887-1-AP

### Size:

500 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13707

### GenBank Accession Number:

BC064836

### GeneID (NCBI):

3609

### UNIPROT ID:

Q12906

### Full Name:

interleukin enhancer binding factor 3,  
90kDa

### Calculated MW:

894 aa, 95 kDa

### Observed MW:

90 kDa, 110 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:16000

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

IHC 1:20-1:200

IF 1:10-1:100

## Applications

### Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

### Cited Applications:

CoIP, IF, IHC, IP, RIP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse

### Positive Controls:

**WB**: HeLa cells, Jurkat cells, mouse spleen tissue, K-562 cells, Raji cells

**IP**: HeLa cells,

**IHC**: human cervical cancer tissue, human placenta tissue

**IF**: 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

Nuclear factor of activated T cells (NFAT) is a transcription factor required for T-cell expression of interleukin-2 (IL2). NFAT binds to a sequence known as the antigen receptor response element-2 (ARRE2) in the IL2 enhancer. NFAT contains two subunits, one is ILF3. ILF3 can facilitate double-stranded RNA-regulated gene expression at the level of post-transcription. It binds to and inhibits coding sequences of acid beta-glucosidase and other mRNAs and functions at the initiation phase of GCaase mRNA translation, probably by inhibiting its binding to polysomes. ILF3 exists in two isoforms NFAR-1 (90 kDa) and -2 (110 kDa). NFAR-1 and -2 each contain two DRBDs in their C-terminus regions and exhibit 98% homology to one another at the amino acid level. NFAR-2 contains an extra 192 amino acids at the C-terminal region that are encoded by an extra three exons present in its corresponding transcript.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ling-Fei Zhang	26346275	EMBO J	WB
Neeraja Purandare	36339251	iScience	WB
Subhayan Sur	33043604	EMBO Rep	WB, RIP

## 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:

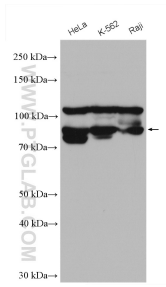
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

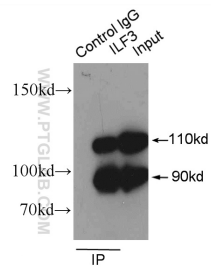
W: [ptgcn.com](http://ptgcn.com)

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

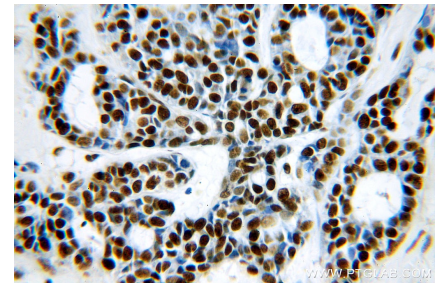
## Selected Validation Data



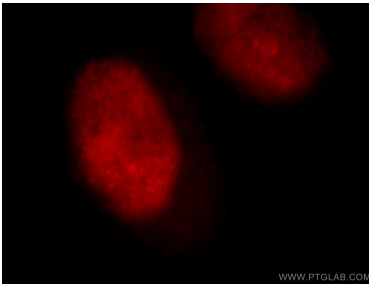
Various lysates were subjected to SDS PAGE followed by western blot with 19887-1-AP (ILF3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-NF90/ILF3 (IP:19887-1-AP, 3ug; Detection:19887-1-AP 1:1000) with HeLa cells lysate 1600ug.



Immunohistochemical analysis of paraffin-embedded human cervical cancer using 19887-1-AP (ILF3 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using ILF3 antibody 19887-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).