

For Research Use Only

NF90/ILF3 Polyclonal antibody

Catalog Number: 19887-1-AP

Featured Product

25 Publications



Basic Information

Catalog Number: 19887-1-AP	GenBank Accession Number: BC064836	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 3609	Recommended Dilutions: WB 1:2000-1:16000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	Full Name: interleukin enhancer binding factor 3, 90kDa	IHC 1:20-1:200 IF 1:10-1:100
Isotype: IgG	Calculated MW: 894 aa, 95 kDa	
Immunogen Catalog Number: AG13707	Observed MW: 90 kDa, 110 kDa	

Applications

Tested Applications:
IF, 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

*** 20ul sizes contain 0.1% BSA

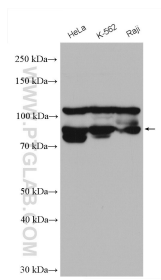
For technical support and original validation data for this product please contact:

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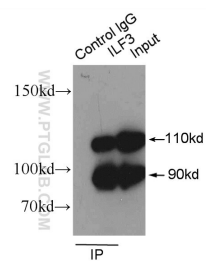
E: proteintech@ptglab.com
W: ptglab.com

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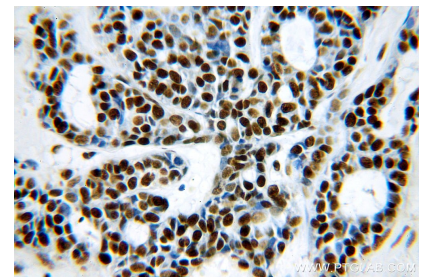
Selected Validation Data



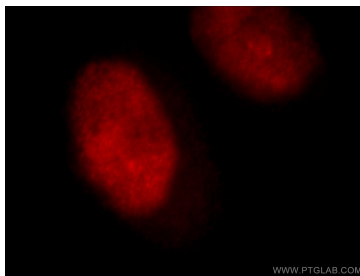
Various lysates were subjected to SDS PAGE followed by western blot with 19887-1-AP (ILF3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP Result of anti-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).