ILF3 Polyclonal ANTIBODY
Catalog Number: 19887-1-AP

Basic Information
Catalog Number: 19887-1-AP
GenBank Accession Number: BC054626
GeneID (NCBI): 3009
Calculated MW: 89,449.65 kDa
Observed MW: 90 kDa, 110 kDa

Size:
33 μg/150 μl

Source:
Rabbit

IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG13707

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 μg for IP and 1:200-1:2000 for WB
IHC 1:200-1:200
IF 1:10-1:100

Applications
Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IF, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

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

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 μg for IP and 1:200-1:2000 for WB
IHC 1:200-1:200
IF 1:10-1:100

Positive Controls:
WB: mouse spleen tissue; HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, Raji cells
IP: HeLa cells;
IHC: human cervical cancer tissue; human placenta tissue
IF: HeLa cells;

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 (ARR2) 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 GCase 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-terminal 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
<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ling-Fei Zhang</td>
<td>26346275</td>
<td>EMBO J</td>
<td>WB</td>
</tr>
<tr>
<td>Siddhesh Aras</td>
<td>25315052</td>
<td>Mitochondrion</td>
<td>WB</td>
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<td>Siddhesh Aras</td>
<td>27913209</td>
<td>Bioch Biophys Acta</td>
<td>WB</td>
</tr>
</tbody>
</table>

Storage
Store at -20ºC. 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 ºC storage

For technical support and original validation data for this product please contact:
T 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Mouse spleen tissue were subjected to SDS PAGE followed by western blot with 19887-1-AP (NF90, ILF3 Antibody) at dilution of 1:1000 and 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 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).