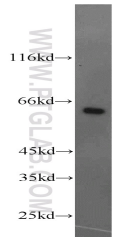
USA: proteintech@ptglab.com

Europe: europe@ptglab.com

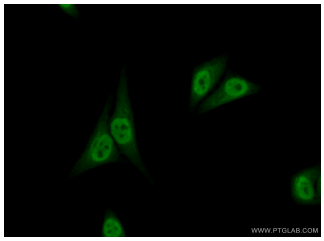
China: service@ptglab.com

NFIL3 Polyclonal Antibody

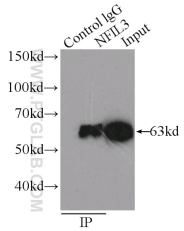
Catalog number: 11773-1-AP
Size: 62 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
NFIL3; E4 promoter binding protein 4, E4BP4, IL3BP1, NF IL3A, NFIL3, NFIL3A



HepG2 cells were subjected to SDS PAGE followed by western blot with 11773-1-AP(NFIL3 antibody) at dilution of 1:1000



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 11773-1-AP(NFIL3 Antibody) at dilution of 1:50 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IP Result of anti-NFIL3 (IP:11773-1-AP, 4ug; Detection:11773-1-AP 1:1000) with HeLa cells lysate 1600ug.

Background

NFIL3, also named as E4BP4 and IL3BP1, belongs to the bZIP family and NFIL3 subfamily. It represses transcription from promoters with activating transcription factor (ATF) sites. NFIL3 activates transcription from the interleukin-3 promoter in T-cells. It competes for the same consensus-binding site with PAR DNA-binding factors (DBP, HLF and TEF). It is a component of the circadian clock that acts as a negative regulator for the circadian expression of PER2 oscillation in the cell-autonomous core clock. NFIL3 protects pro-B cells from programmed cell death. It is a key regulator of TH2 responses(PMID:21499227).

Applications

Tested applications:	**ELISA, WB, IP, IF**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Caculated NFIL3 MW:	**462aa,51 kDa**
Observed NFIL3 MW:	**63 kDa,50-51 kDa**
Positive WB detected in	**HepG2 cells, HEK-293 cells, HeLa cells, human testis tissue, K-562 cells, mouse heart tissue, mouse lung tissue**
Positive IP detected in	**HeLa cells**
Positive IF detected in	**HepG2 cells**
Recommended dilution:	**WB: 1:200-1:2000** **IP: 1:500-1:5000** **IF: 1:50-1:500**

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag2380**
GenBank accession number:	**BC008197**
Gene ID (NCBI):	**4783**
Full name:	**Nuclear factor, interleukin 3 regulated**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**