

Anti-NFIL3 Antibody
Rabbit polyclonal antibody to NFIL3
Catalog # AP60348**Specification**

Anti-NFIL3 Antibody - Product Information

Application	WB, IF
Primary Accession	Q16649
Other Accession	O08750
Reactivity	Human, Mouse, Rat, Monkey, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51472

Anti-NFIL3 Antibody - Additional Information**Gene ID** 4783**Other Names**

E4BP4; IL3BP1; Nuclear factor interleukin-3-regulated protein; E4 promoter-binding protein 4; Interleukin-3 promoter transcriptional activator; Interleukin-3-binding protein 1; Transcriptional activator NF-IL3A

Target/Specificity

Recognizes endogenous levels of NFIL3 protein.

Dilution

WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)

IF~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-NFIL3 Antibody - Protein Information**Name** NFIL3**Synonyms** E4BP4, IL3BP1**Function**

Acts as a transcriptional regulator that recognizes and binds to the sequence 5'-[GA]TTA[CT]GTAA[CT]-3', a sequence present in many cellular and viral promoters. Represses transcription from promoters with activating transcription factor (ATF) sites. Represses promoter

activity in osteoblasts (By similarity). Represses transcriptional activity of PER1 (By similarity). Represses transcriptional activity of PER2 via the B-site on the promoter (By similarity). Activates transcription from the interleukin-3 promoter in T-cells. Competes for the same consensus-binding site with PAR DNA-binding factors (DBP, HLF and TEF) (By similarity). Component of the circadian clock that acts as a negative regulator for the circadian expression of PER2 oscillation in the cell-autonomous core clock (By similarity). Protects pro-B cells from programmed cell death (By similarity). Represses the transcription of CYP2A5 (By similarity). Positively regulates the expression and activity of CES2 by antagonizing the repressive action of NR1D1 on CES2 (By similarity). Required for the development of natural killer cell precursors (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00978}.

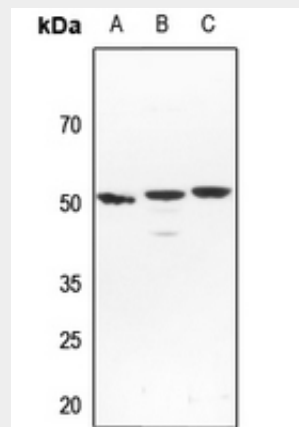
Tissue Location

Expressed in bladder stomach, thyroid, spinal cord, lymph node, trachea, adrenal gland, bone marrow and muscle

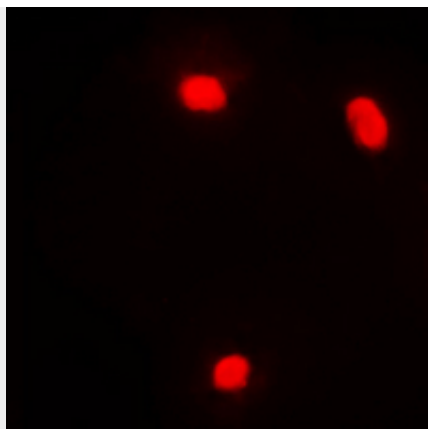
Anti-NFIL3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-NFIL3 Antibody - Images

Western blot analysis of NFIL3 expression in Hela (A), mouse lung (B), rat lung (C) whole cell lysates.



Immunofluorescent analysis of NFIL3 staining in K562 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-NFIL3 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NFIL3. The exact sequence is proprietary.