
Product Name: E4BP4 Rabbit Polyclonal Antibody**Catalog #: APRab10261**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
Molecular Weight	51kDa

Antigen Information

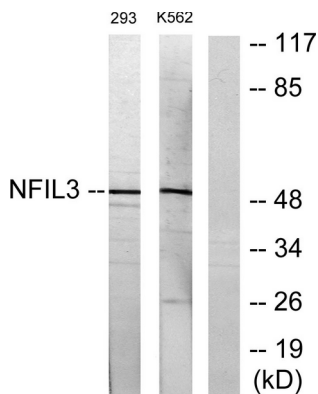
Gene Name	NFIL3 NFIL3; E4BP4; IL3BP1; Nuclear factor interleukin-3-regulated protein; E4 promoter-binding
Alternative Names	protein 4; Interleukin-3 promoter transcriptional activator; Interleukin-3-binding protein 1; Transcriptional activator NF-IL3A
Gene ID	4783.0
SwissProt ID	Q16649
Immunogen	The antiserum was produced against synthesized peptide derived from human NFIL3. AA range:61-110

Background

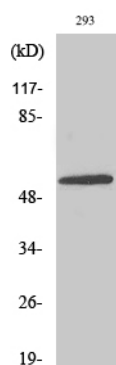
The protein encoded by this gene is a transcriptional regulator that binds as a homodimer to activating transcription factor (ATF) sites in many cellular and viral promoters. The encoded protein represses PER1 and PER2 expression and therefore plays a role in the regulation of circadian rhythm. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Feb 2014],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.,induction:Up-regulated by PHA or TPA.,similarity:Belongs to the bZIP family. NFIL3 subfamily.,similarity:Contains 1 bZIP domain.,subunit:Homodimer. Binds DNA as a dimer. Interacts with DR1. Interacts with PER2 and CRY2.,tissue specificity:Expressed in bladder stomach, thyroid, spinal cord, lymph node, trachea, adrenal gland, bone marrow and muscle.,

Research Area

Image Data



Western blot analysis of lysates from 293 and K562 cells, using NFIL3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using E4BP4 Polyclonal Antibody.

