

## Product datasheet for **TA392756M**

### NFIL3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 32-86 of Human E4BP4.
Specificity:	E4BP4 (E65) polyclonal antibody detects endogenous levels of E4BP4protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 60 kDa
Gene Name:	nuclear factor, interleukin 3 regulated
Database Link:	<a href="#">Entrez Gene 4783 Human Q16649</a>

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**Background:**

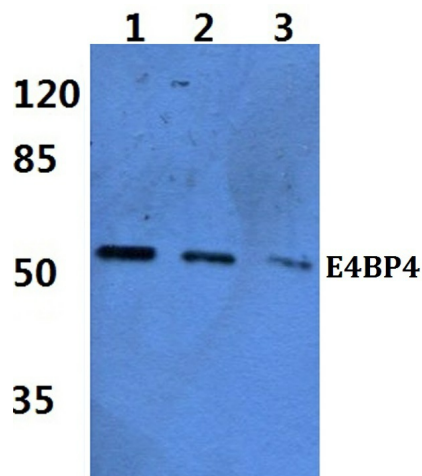
E4BP4, also known as NFIL3, functions as a transcriptional repressor and is a member of the basic leucine zipper (bZIP) transcription factor family. E4BP4 binds with high specificity to the E4 ATF, which is a DNA sequence traditionally targeted by the ATF/CREB family of transcription factors. A 65 amino acid segment located in the carboxy-terminus of E4BP4 interacts specifically with the TBP binding protein Dr1. In the suprachiasmatic nucleus, circadian center and liver, E4BP4 competes with PAR proteins for DNA binding via a reciprocating mechanism. The phase expression of E4BP4 correlates with the circadian cycle and represses transcription of genes otherwise activated by PAR transcription regulators. E4BP4 also plays an important role in an IL-3-mediated signaling pathway that is responsible for the survival of B cell progenitors. The gene encoding human E4BP4 maps to chromosome 9q22.

**Synonyms:**

E4 promoter-binding protein 4; E4 promoter binding protein 4; E4BP 4; E4BP4; E4BP4 protein; IL3BP 1; IL3BP1; Interleukin-3 promoter transcriptional activator; Interleukin-3-binding protein 1; Interleukin 3 binding protein 1; Interleukin 3 promoter transcriptional activator; NFIL 3; NFIL3; NFIL 3A; NFIL3A; Nuclear factor interleukin-3-regulated protein; Nuclear factor interleukin 3 regulated; Transcriptional activator NF-IL3A; Transcriptional activator NF IL3A

**Note:**

For research use only, not for use in diagnostic procedure.

**Product images:**


Western blot (WB) analysis of E4BP4 (E65) pAb at 1:500 dilution Lane1:A549 whole cell lysate(40ug) Lane2:SKOVCA3 whole cell lysate(40ug) Lane3:A2780 whole cell lysate(40ug) Lane4:H9C2 whole cell lysate(40ug) Lane5:BV2 whole cell lysate(40ug)