

## Product datasheet for **TA329213**

### NFIL3 Rabbit Polyclonal Antibody

#### Product data:

|                         |                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                                                                     |
| Applications:           | WB                                                                                                                                                                                                                     |
| Recommended Dilution:   | WB                                                                                                                                                                                                                     |
| Reactivity:             | Human, Mouse                                                                                                                                                                                                           |
| Host:                   | Rabbit                                                                                                                                                                                                                 |
| Isotype:                | IgG                                                                                                                                                                                                                    |
| Clonality:              | Polyclonal                                                                                                                                                                                                             |
| Immunogen:              | The immunogen for anti-NFIL3 antibody: synthetic peptide directed towards the middle region of human NFIL3. Synthetic peptide located within the following region:<br>GYSHSPPLLQVNRSSNSPRTSETDDGVVGKSSDGEDEQQVPGPIHSPV |
| Formulation:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br><i>Note that this product is shipped as lyophilized powder to China customers.</i>                                |
| Conjugation:            | Unconjugated                                                                                                                                                                                                           |
| Storage:                | Store at -20°C as received.                                                                                                                                                                                            |
| Stability:              | Stable for 12 months from date of receipt.                                                                                                                                                                             |
| Predicted Protein Size: | 51 kDa                                                                                                                                                                                                                 |
| Gene Name:              | nuclear factor, interleukin 3 regulated                                                                                                                                                                                |
| Database Link:          | <a href="#">NP_005375</a><br><a href="#">Entrez Gene 18030 Mouse</a> <a href="#">Entrez Gene 4783 Human</a><br><a href="#">Q16649</a>                                                                                  |



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**Background:**

NFIL3 is a basic leucine zipper (bZIP) transcription factor that represses or activates transcription in non-osteoblastic cells. NFIL3 play a role in attenuation of PTH target gene transcription in osteoblasts. NFIL3 repression domain interacts specifically with the TBP binding repressor protein Dr1. Glucocorticoid-mediated upregulation of the bZIP transcriptional repressor gene, NFIL3, is dependent on  $[Ca^{2+}]_i$  levels, and correlates with Glucocorticoid-evoked apoptosis of Glucocorticoid-sensitive CEM-C7-14 cells. NFIL3 is involved in a distinct growth factor-regulated signaling pathway that is responsible for the survival of early B-cell progenitors, and whose alteration by E2A-HLF leads to childhood B lineage leukemia.

**Synonyms:**

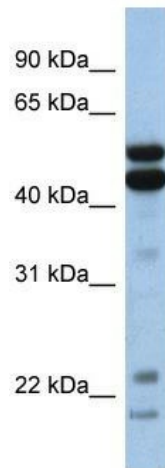
E4BP4; IL3BP1; NF-IL3A; NFIL3A

**Note:**

Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Guinea pig: 100%; Rabbit: 93%; Zebrafish: 85%

**Protein Families:**

Transcription Factors

**Product images:**

WB Suggested Anti-NFIL3 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: Human brain