



# Mouse anti-Human ILF2 polyclonal antibody (DPAB-DC1714)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |  |
|----------------------------|--|
| <b>Antigen Description</b> | The protein encoded by this gene is the 45 kDa component of nuclear factor of activated T-cells (NFAT), a heterodimer of 45 kDa and 90 kDa proteins. NFAT is a transcription factor required for T-cell expression of the interleukin 2 gene. It also binds RNA and is an essential component for encapsidation and protein priming of hepatitis B viral polymerase. The complex has been shown to repair DNA breaks by nonhomologous end joining and can also negatively regulate the microRNA processing pathway. Alternative splicing results in multiple transcript variants. Related pseudogenes have been found on chromosomes 3 and 14. |
| <b>Immunogen</b>           | ILF2 (NP_004506, 151 a.a. ~ 250 a.a) partial recombinant protein with GST tag. The sequence is<br>PSEVLMTLTNETGFEISSDATVKILITVPPNLRKLDPELHLDIKVLQSALAAIRHARW<br>FEENASQSTVKVLIRLLKDLRIRFPGFELTPWILDLLGH  |
| <b>Source/Host</b>         | Mouse  |
| <b>Species Reactivity</b>  | Human  |
| <b>Conjugate</b>           | Unconjugated   |
| <b>Applications</b>        | WB (Cell lysate), WB (Recombinant protein), ELISA,   |
| <b>Size</b>                | 50 µl  |
| <b>Buffer</b>              | 50 % glycerol  |
| <b>Preservative</b>        | None   |
| <b>Storage</b>             | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.   |

## GENE INFORMATION

|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | <a href="#">ILF2 interleukin enhancer binding factor 2 [ Homo sapiens (human) ]</a>  |
| <b>Official Symbol</b>     | ILF2   |
| <b>Synonyms</b>            | ILF2; interleukin enhancer binding factor 2; NF45; PRO3063; interleukin enhancer-binding factor 2; interleukin enhancer binding factor 2, 45kD; nuclear factor of activated T-cells, 45-kDa; interleukin enhancer binding factor 2, 45kDa; |
| <b>Entrez Gene ID</b>      | <a href="#">3608</a>   |
| <b>Protein Refseq</b>      | <a href="#">NP_001254738</a>   |
| <b>UniProt ID</b>          | <a href="#">B4DY09</a>   |
| <b>Chromosome Location</b> | 1q21.3   |
| <b>Function</b>            | ATP binding; DNA binding; double-stranded RNA binding; poly(A) RNA binding   |