

## PURB monoclonal antibody

Catalog: MB67177

Host: Mouse

Reactivity: Human, Mouse

### BackGround:

Pur $\beta$  (purine-rich element-binding protein B), also known as transcriptional activator protein Pur $\beta$ , is a 312 amino acid protein that belongs to the PUR DNA-binding protein family. The Pur $\beta$  gene product is a sequence-specific, single-stranded DNA-binding protein. It binds preferentially to the single strand of the purine-rich element termed PUR, which is present at origins of replication and in gene flanking regions in a variety of eukaryotes from yeasts through humans. Thus, the Pur $\beta$  protein is implicated in the control of both DNA replication and transcription. Deletion of the Pur $\beta$  gene has been associated with myelodysplastic syndrome and acute myelogenous leukemia (AML), which is a malignant disease where in hematopoietic precursors are arrested in an early stage of development. Localizing to nucleus, the Pur $\beta$  protein is expressed in myocardium of heart failure patients. The Pur $\beta$  gene is conserved in mouse, rat, zebrafish, fruit fly, mosquito, *C. elegans*, *A. thaliana* and rice. and maps to human chromosome 7p13.

### Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 40 kDa

### Swiss-Prot:

Q96QR8

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/500 - 1/4000)

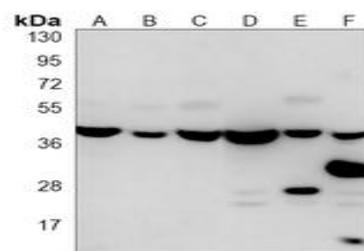
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of PURB protein.

### DATA:



Western blot analysis of PURB expression in Jurkat (A), HeLa (B), NCIH460 (C), HepG2 (D), MCF7 (E), NIH3T3 (F) whole cell lysates.

### Note:

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

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