

**XPB1 polyclonal antibody**

Catalog: BS79909

Host: Rabbit

Reactivity: Human, Mouse

**BackGround:**

This gene encodes a transcription factor that regulates MHC class II genes by binding to a promoter element referred to as an X box. This gene product is a bZIP protein, which was also identified as a cellular transcription factor that binds to an enhancer in the promoter of the T cell leukemia virus type 1 promoter. It may increase expression of viral proteins by acting as the DNA binding partner of a viral transactivator. It has been found that upon accumulation of unfolded proteins in the endoplasmic reticulum (ER), the mRNA of this gene is processed to an active form by an unconventional splicing mechanism that is mediated by the endonuclease inositol-requiring enzyme 1 (IRE1). The resulting loss of 26 nt from the spliced mRNA causes a frame-shift and an isoform XPB1(S), which is the functionally active transcription factor. The isoform encoded by the unspliced mRNA, XPB1(U), is constitutively expressed, and thought to function as a negative feedback regulator of XPB1(S), which shuts off transcription of target genes during the recovery phase of ER stress. A pseudogene of XPB1 has been identified and localized to chromosome 5.

**Product:**

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol,

pH7.2

**Molecular Weight:**

Refer to figures

**Swiss-Prot:**

P17861

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB, 1:500 - 1:2000

**Storage&Stability:**

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

**Modification:**

Unmodification

**DATA:****Note:**

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

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