

## Lamin B1 Polyclonal Antibody

Catalog No. E-AB-40257

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

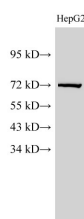
### Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant Rat Lamin-B1 protein expressed by E.coli
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4

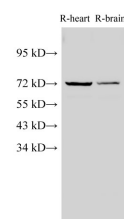
### Applications Recommended Dilution

<b>WB</b>	1:250-1:500
<b>IHC</b>	1:200-1:600

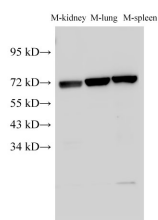
### Data



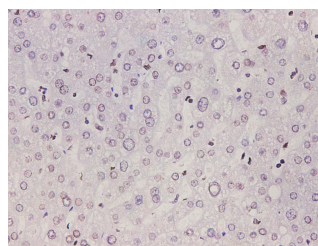
Western Blot analysis of HepG2 cell using Lamin B1 Polyclonal Antibody at dilution of 1:1000  
**Observed Mw:72 kDa**  
**Calculated Mw:67 kDa**



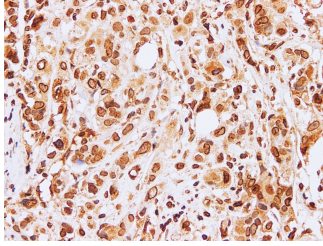
Western Blot analysis of Rat heart and Rat brain using Lamin B1 Polyclonal Antibody at dilution of 1:1000



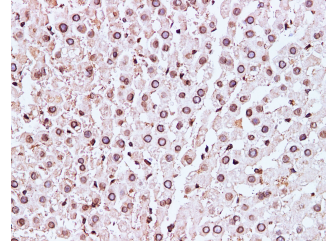
Western Blot analysis of Mouse kidney, Mouse lung and Mouse spleen using Lamin B1 Polyclonal Antibody at dilution of 1:1000



Immunohistochemistry of paraffin-embedded Human liver tissue using Lamin-B1 Polyclonal Antibody at dilution of 1:600(×400)



Immunohistochemistry of paraffin-embedded Human breast cancer using Lamin B1 Polyclonal Antibody at dilution of 1:100



Immunohistochemistry of paraffin-embedded Mouse liver using Lamin B1 Polyclonal Antibody at dilution of 1:100

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B. This gene encodes one of the two B type proteins, B1. Alternative splicing results in transcript variants and a duplication of this gene is associated with autosomal dominant adult-onset leukodystrophy (ADLD).