

# Lamin B1 Mouse Monoclonal Antibody

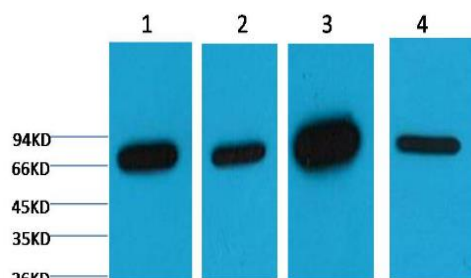
OPM1035

**Reactivity** H,M,R  
**Host** Mouse  
**Isotype** IgG1

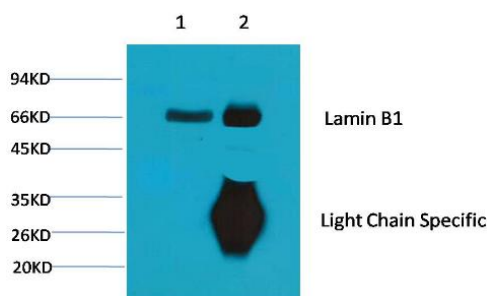
**Storage** -20 °C, Avoid freeze/ thaw cycles  
**Applications** WB;IP  
**Concentration** 1 mg/mL

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

## Images



Western blot analysis of) HepG2 2) 293T  
3) Mouse Brain Tissue 4) Rat Brain Tissue with  
Lamin B1 Mouse mAb diluted at: 5000.



1,Input: Mouse Brain Tissue Lysate 2, IP  
product: IP dilute:200 Western blot analysis:  
primary antibody : Lamin B1 Mouse  
mAb:5000 Secondary antibody: Goat anti-  
Mouse IgG Light chain specific:5000

## Immunogen Information

**Immunogen** Recombinant Protein  
**Swissprot** P20700

## Product Information

**Observed MW** 68 kDa  
**Buffer** PBS with 0.02% sodium azide and 50%  
glycerol pH 7.4  
**Dilution** WB: 1/2000-5000;IP: 1/200

Other applications have not been tested. Optimal  
dilutions/concentrations should be determined by the end user.

## 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.

## Research Use

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

## Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry;ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish;X-Xenopus; C-Cow.

Please contact Origin Diagnostics and Research for further assistance

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