

## Basic Information

|                           |   |
|---------------------------|---|
| <b>Product Name</b>       | Anti-Lamin B2/LMNB2 Antibody (Clone#OTI2C6)   |
| <b>Gene Name</b>          | LMNB2   |
| <b>Source</b>             | Mouse   |
| <b>Clonality</b>          | Monoclonal  |
| <b>Isotype</b>            | IgG1  |
| <b>Species Reactivity</b> | human   |
| <b>Tested Application</b> | WB  |
| <b>Contents</b>           | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                      |
| <b>Immunogen</b>          | Full length human recombinant protein of human LMNB2 (NP_116126) produced in HEK293T cell.                |
| <b>Concentration</b>      | 500 ug/ml   |
| <b>Purification</b>       | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| <b>Dilution Ratios</b>    | Western blot (WB):1:2000  |

## Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

## Background Information

This gene encodes a B type nuclear lamin. 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. Mutations in this gene are associated with acquired partial lipodystrophy. [provided by RefSeq, May 2012]

## Selected Validation Data

**Anti-Lamin B2/LMNB2 Antibody**  
**(Clone#OTI2C6)****Catalog Number: M05348-1**

170 —  
130 —  
100 —  
70 —  
55 —  
40 —  
35 —  
25 —  
15 —  
10 —



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LMNB2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-LMNB2(Cat# M05348-1).