

Datasheet for ABIN5539551

**anti-Lamin B1 antibody (AA 526-537)****2** Images[Go to Product page](#)

## Overview

|                      |                                         |
|----------------------|-----------------------------------------|
| Quantity:            | 100 µg                                  |
| Target:              | Lamin B1 (LMNB1)                        |
| Binding Specificity: | AA 526-537                              |
| Reactivity:          | Human, Mouse                            |
| Host:                | Goat                                    |
| Clonality:           | Polyclonal                              |
| Conjugate:           | This Lamin B1 antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA            |

## Product Details

|                   |                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Lamin B1 (aa526-537)                                                                                                                  |
| Sequence:         | DVKVILKNSQ GE                                                                                                                         |
| Isotype:          | IgG                                                                                                                                   |
| Specificity:      | This antibody is expected to recognize both reported isoforms (NP_005564.1, NP_001185486.1).                                          |
| Cross-Reactivity: | Cow, Dog, Human, Mouse, Pig                                                                                                           |
| Purification:     | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade:            | Verified                                                                                                                              |

## Target Details

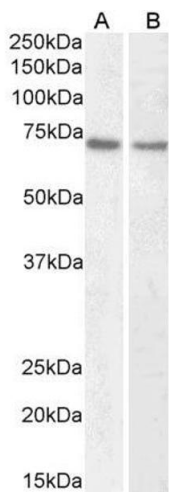
|                   |                                                                                 |
|-------------------|---------------------------------------------------------------------------------|
| Target:           | Lamin B1 (LMNB1)                                                                |
| Alternative Name: | LMNB1 ( <a href="#">LMNB1 Products</a> )                                        |
| Background:       | LMNB1, lamin B1, ADLD, LMN, LMN2, LMNB, MGC111419, OTTHUMP00000159218, lamin-B1 |
| Gene ID:          | 4001, 16906                                                                     |
| NCBI Accession:   | <a href="#">NP_005564</a> , <a href="#">NP_001185486</a>                        |
| Pathways:         | <a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a>        |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western Blot: Approx 70 kDa band observed in nuclear lysates of cell lines HeLa and Jurkat and approx. 70-75 kDa in Mouse Liver lysates (calculated MW of 66.4 kDa according to Human NP_005564.1 and 66.8 kDa according to Mouse NP_034851.2) Recommended concen<br>Peptide ELISA: antibody detection limit dilution 1:4000. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                         |

## Handling

|                    |                                                                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                         |
| Concentration:     | 0.5 mg/mL                                                                                                                                      |
| Buffer:            | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.                                             |
| Preservative:      | Sodium azide                                                                                                                                   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                         |
| Handling Advice:   | Minimize freezing and thawing.                                                                                                                 |
| Storage:           | -20 °C                                                                                                                                         |
| Storage Comment:   | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable. |



Western Blotting

**Image 1.** ABIN5539551 (1µg/ml) staining of HeLa (A) and Jurkat (B) nuclear lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blotting

**Image 2.** ABIN5539551 (1µg/ml) staining of Mouse Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.