

## Product datasheet for **AP23277PU-N**

### Lamin B1 (LMNB1) (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, IP, WB
Recommended Dilution:	<b>Western blot:</b> At 1-2µg/ml with the appropriate system to detect Lamin B in cells and tissues. <b>Immunohistochemistry on paraffin sections:</b> At 0.5-1µg/ml to detect Lamin B in formalin fixed and paraffin embedded tissues. Boiling the sections is required. <b>Immunohistochemistry in frozen sections:</b> At 0.5-1µg/ml to detect Lamin B in formalin or acetone fixed tissues. <b>Immunocytochemistry:</b> At 0.5-1µg/ml to detect Lamin B in acetone fixed cell. Antigen retrieval by Pepsin and Trypsin is required. <b>Immunoprecipitation.</b>
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a sequence at the C-terminal of human Lamin B
Specificity:	This antibody detects Lamin Beta at C-term. No cross reactivity with other proteins.
Formulation:	5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	0.2 ml of distilled water will yield a concentration of 0.5 mg/ml.
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	lamin B1
Database Link:	<a href="#">Entrez Gene 16906 Mouse</a> <a href="#">Entrez Gene 116685 Rat</a> <a href="#">Entrez Gene 4001 Human P20700</a>



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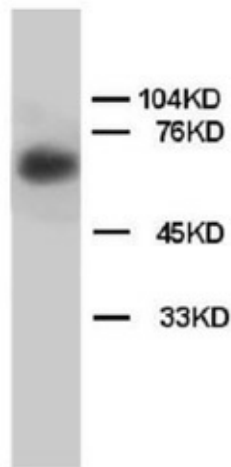
**Background:**

Lamins are the major components of the nuclear lamina which underlies the nuclear envelope of eukaryotic cells. lamin B is a structural component of the long-sought-after spindle matrix that promotes microtubule assembly and organization in mitosis. Inspection of the deduced amino acid sequence of lamin B revealed the presence in coil 1B of the alpha-helical domain of a leucine heptad repeat region. Lamin B assembled into a matrix-like network in mitosis through a process that depended on the presence of the guanosine triphosphate-bound form of the small guanosine triphosphatase Ran.

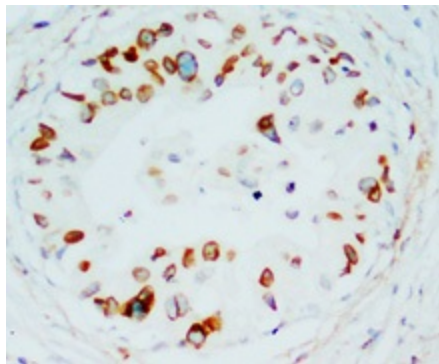
**Synonyms:**

Lamin B1/B2, LMN2, LMNB, Lamin B1, Lamin B2

**Product images:**



Lamin  $\beta$  Polyclonal Antibody



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