

**KD-Validated Anti-Lamin B2 Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1248****Specification****KD-Validated Anti-Lamin B2 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	<a href="#">Q03252</a>
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 68 kDa , observed, 68 kDa KDa
Gene Name	LMNB2
Aliases	LMNB2; Lamin B2; LMN2; Lamin-B2; Epididymis Secretory Sperm Binding Protein; Lamin B3; MCPH27; LAMB2; EPM9
Immunogen	A synthesized peptide derived from human Lamin B2

**KD-Validated Anti-Lamin B2 Rabbit Monoclonal Antibody - Additional Information**

Gene ID	84823
<b>Other Names</b>	
Lamin-B2, LMNB2, LMN2	

**KD-Validated Anti-Lamin B2 Rabbit Monoclonal Antibody - Protein Information****Name** LMNB2**Synonyms** LMN2**Function**

Lamins are intermediate filament proteins that assemble into a filamentous meshwork, and which constitute the major components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane (PubMed:<a href="http://www.uniprot.org/citations/33033404" target="\_blank">33033404</a>). Lamins provide a framework for the nuclear envelope, bridging the nuclear envelope and chromatin, thereby playing an important role in nuclear assembly, chromatin organization, nuclear membrane and telomere dynamics (PubMed:<a href="http://www.uniprot.org/citations/33033404" target="\_blank">33033404</a>). The structural integrity of the lamina is strictly controlled by the cell cycle, as seen by the disintegration and formation of the nuclear envelope in prophase and telophase, respectively (PubMed:<a href="http://www.uniprot.org/citations/33033404" target="\_blank">33033404</a>).

**Cellular Location**

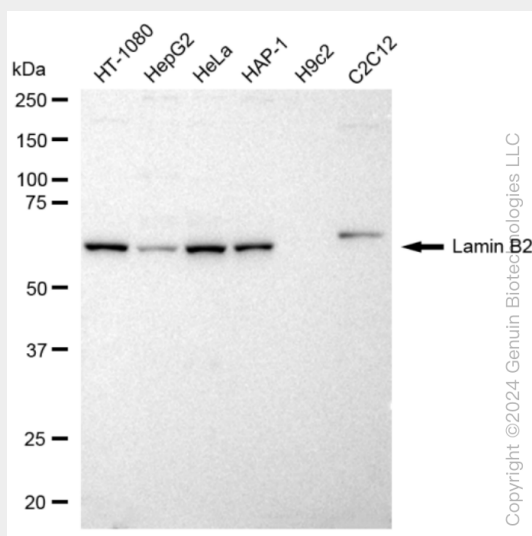
Nucleus lamina.

## KD-Validated Anti-Lamin B2 Rabbit Monoclonal Antibody - Protocols

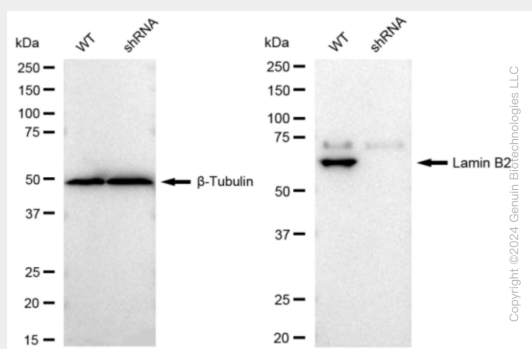
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

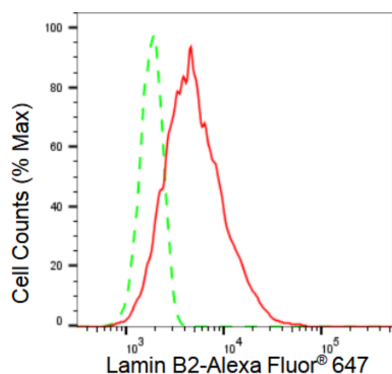
## KD-Validated Anti-Lamin B2 Rabbit Monoclonal Antibody - Images



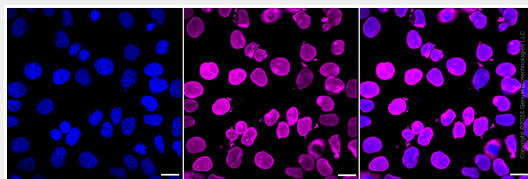
Western blotting analysis using anti-Lamin B2 antibody (Cat#AGI1248). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Lamin B2 antibody (Cat#AGI1248, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Lamin B2 antibody (Cat#AGI1248). Lamin B2 expression in wild type (WT) and Lamin B2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Lamin B2 antibody (Cat#AGI1248, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Lamin B2 expression in HT-1080 cells using Lamin B2 antibody (Cat#AGI1248, 1:2,000). Green, isotype control; red, Lamin B2.



Immunocytochemical staining of HT-1080 cells with Lamin B2 antibody (Cat#AGI1248, 1:1,000). Nuclei were stained blue with DAPI; Lamin B2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20  $\mu$ m.