

**Lamin B1 Polyclonal Antibody**  
Catalog # AP70705**Specification**

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**Lamin B1 Polyclonal Antibody - Product Information**

Application	IF
Primary Accession	<a href="#">P20700</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**Lamin B1 Polyclonal Antibody - Additional Information****Gene ID** 4001**Other Names**

LMNB1; LMN2; LMNB; Lamin-B1

**Dilution**

IF~IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**Lamin B1 Polyclonal Antibody - Protein Information****Name** LMNB1**Synonyms** LMN2, LMNB**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: [28716252](http://www.uniprot.org/citations/28716252), PubMed: [32910914](http://www.uniprot.org/citations/32910914)). 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: [28716252](http://www.uniprot.org/citations/28716252), PubMed: [32910914](http://www.uniprot.org/citations/32910914)). 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: [28716252](http://www.uniprot.org/citations/28716252), PubMed: [32910914](http://www.uniprot.org/citations/32910914)).

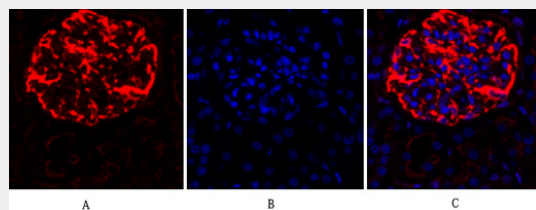
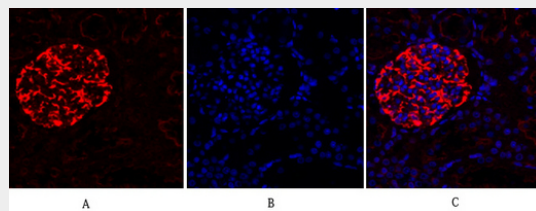
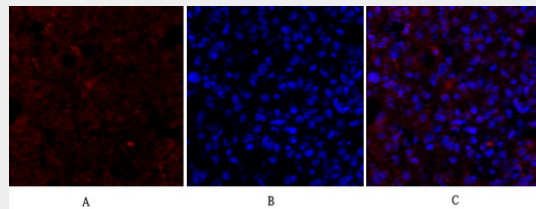
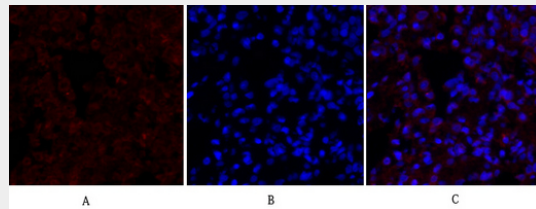
**Cellular Location**  
Nucleus lamina

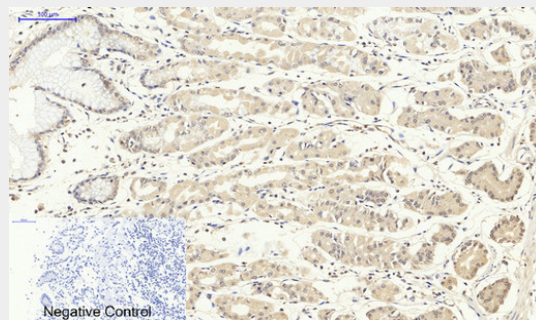
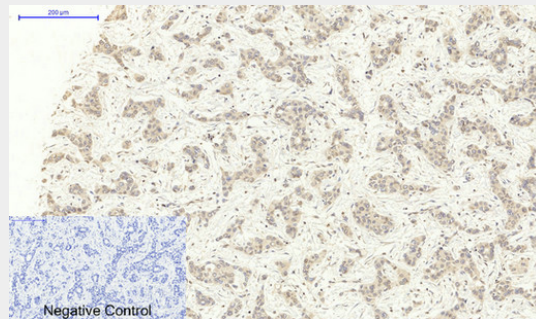
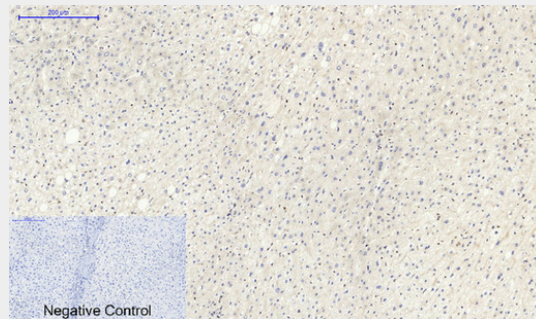
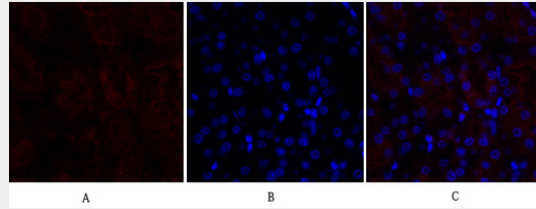
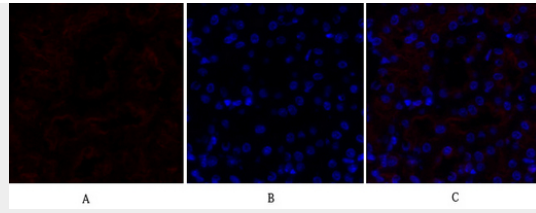
**Lamin B1 Polyclonal Antibody - Protocols**

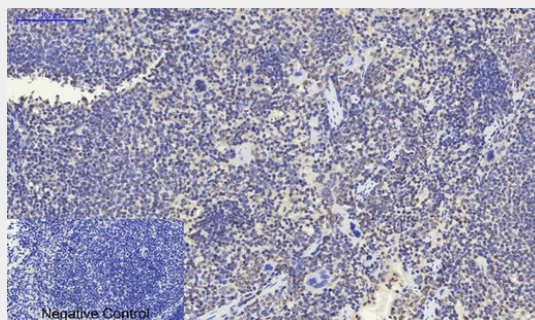
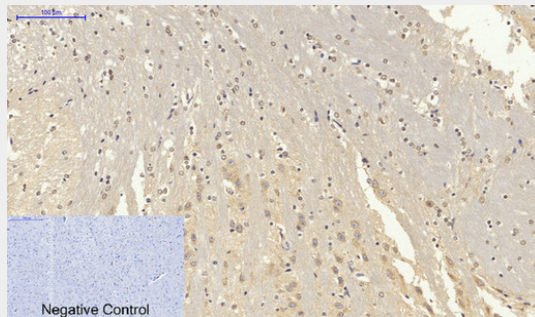
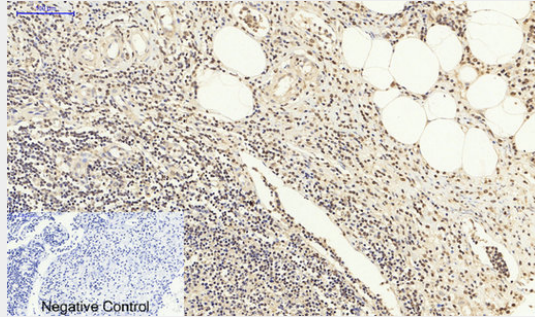
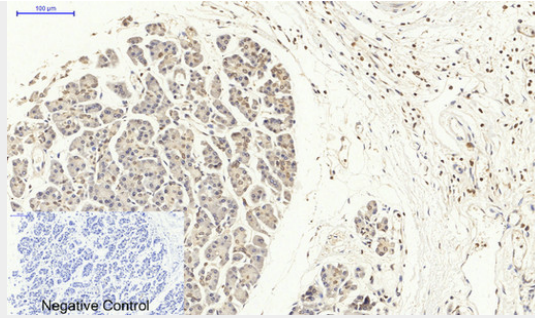
Provided below are standard protocols that you may find useful for product applications.

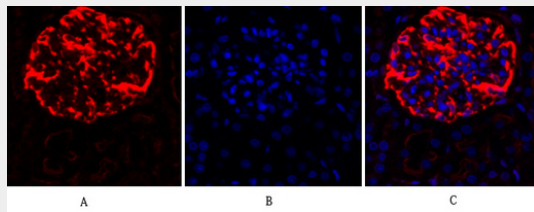
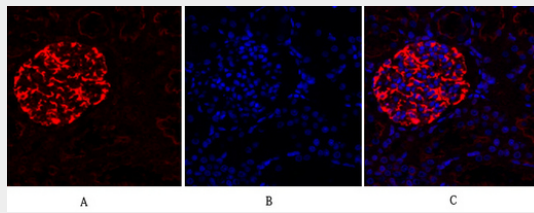
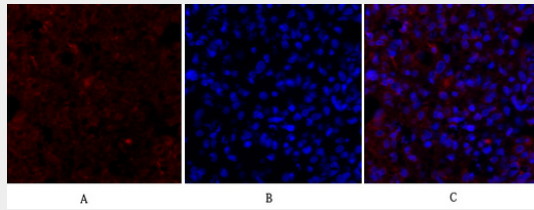
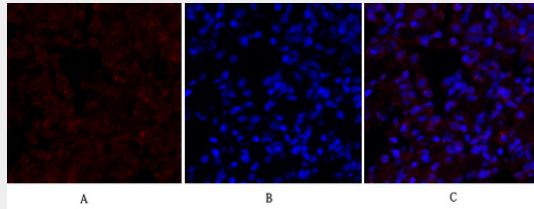
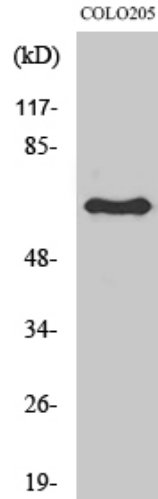
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

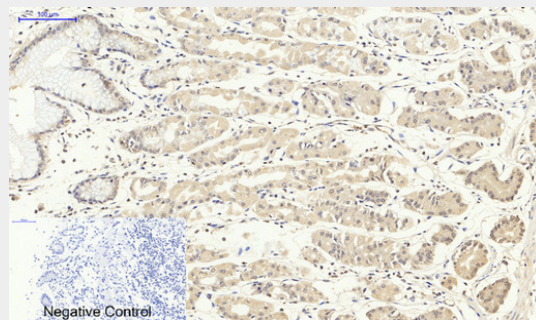
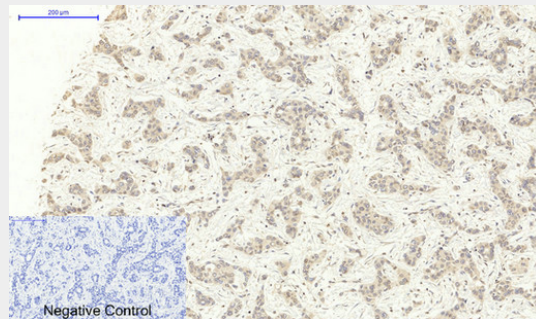
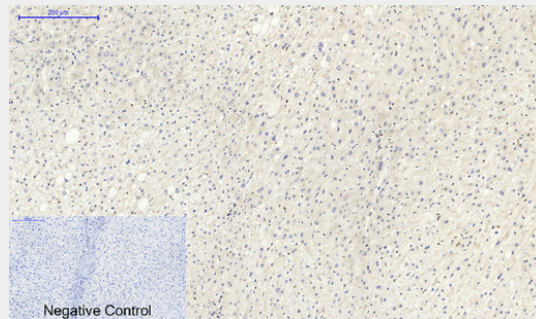
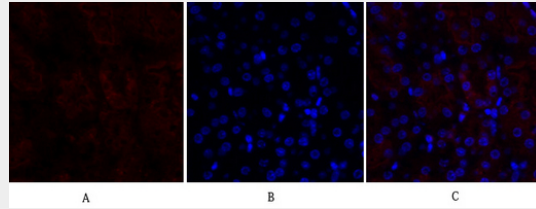
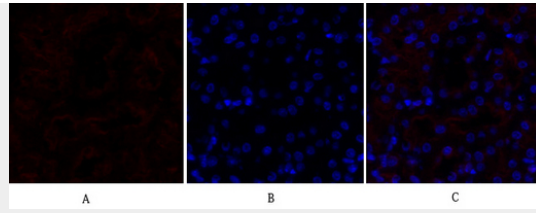
**Lamin B1 Polyclonal Antibody - Images**

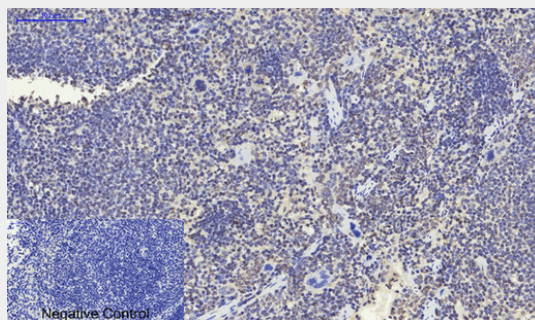
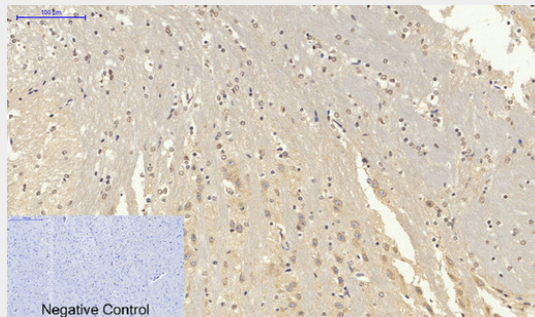
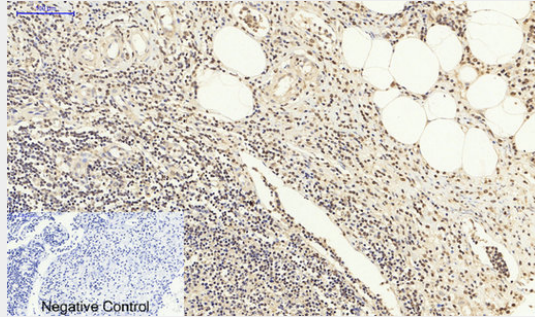
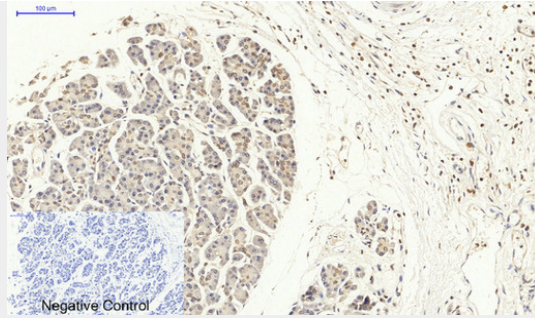


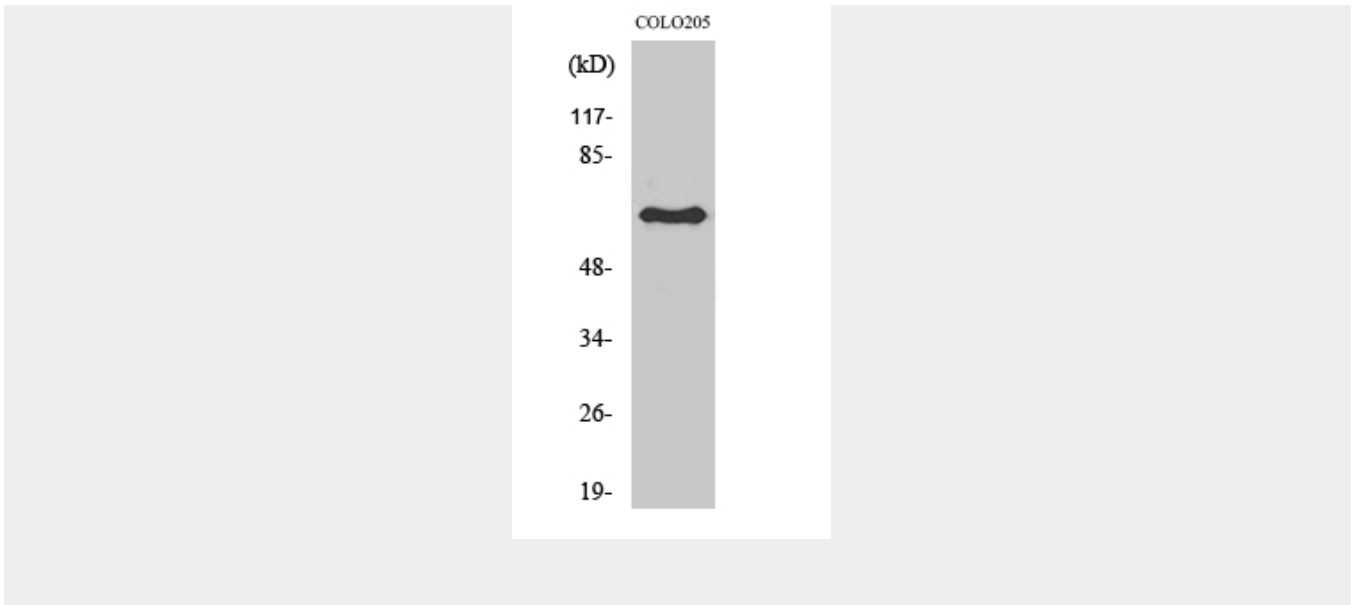












### Lamin B1 Polyclonal Antibody - Background

Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin.