

**bsm-62887R****[ Primary Antibody ]**

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## Lamin A/C Recombinant Rabbit mAb

### — DATASHEET —

**Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 6B10**GeneID:** 4000**SWISS:** P02545**Target:** Lamin A/C**Immunogen:** A synthesized peptide derived from human Lamin A/C: 211-275.**Purification:** affinity purified by Protein A

**Storage:** 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.

**Background:** 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.

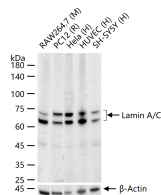
**Applications:** WB (1:500-1:2000)  
IHC-P (1:100-1:200)  
IHC-F (1:100-1:200)  
IF (1:50-1:200)  
Flow-Cyt (1µg/Test)  
ICC/IF (1:100)

**Reactivity:** Human, Mouse, Rat

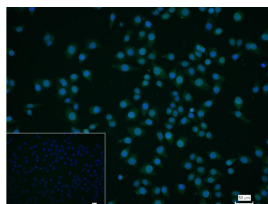
**Predicted**  
**MW.:** 74

**Subcellular**  
**Location:** Nucleus

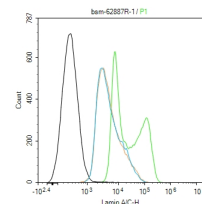
### — VALIDATION IMAGES —



25 µg total protein per lane of various lysates (see on figure) probed with Lamin A/C monoclonal antibody, unconjugated (bsm-62887R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Lamin A/C) monoclonal Antibody, unconjugated (bsm-62887R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-Lamin A/C antibody (bsm-62887R): 1 µg/10<sup>6</sup> cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-60295G-FITC): 1 µg/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.