

## Product datasheet for **TA328054**

### Lamin A (LMNA) Rabbit Polyclonal Antibody [Clone ID: Poly6135]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Poly6135
Applications:	WB
Recommended Dilution:	IF, WB
Reactivity:	Human, Mouse (weak)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant (partial), C-terminal
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
Purification:	The antibody was purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	70 kD, 66 kD, and 61 kD
Gene Name:	lamin A/C
Database Link:	<a href="#">NP_733821</a> <a href="#">Entrez Gene 16905 Mouse</a> <a href="#">Entrez Gene 4000 Human</a> <a href="#">P02545</a>



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**Background:**

Lamin A is a member of the intermediate filament family that contains a farnesyl binding domain and forms dimers. Three isoforms of Lamin A have been reported designated A, AD10, C, with molecular weights of approximately 70 kD, 66 kD, and 61 kD, respectively. Lamin A is localized to the nucleoplasmic side of inner nuclear membrane. Lamin A is thought to function as a fibrous component of the nuclear lamina, providing a framework for the nuclear envelope, and possibly interacting with chromatin. Expression of lamin A is strictly under cell cycle control as seen by disintegration/formation of nuclear envelope in prophase/telophase. Lamin A is modified by phosphorylation, methylation, and farnesylation; phosphorylation regulates disassembly. Lamin A forms a homodimer with Lamin C and has also been shown to interact with the LAPs 1A-1C, emerin, Narf, hsMOK2, PKC, SREBP1a, and SREBP 1c. The Poly6135 antibody recognizes the C-terminal region of human and mouse Lamin A and has been shown to be useful for Western blotting and immunofluorescence staining.

**Synonyms:**

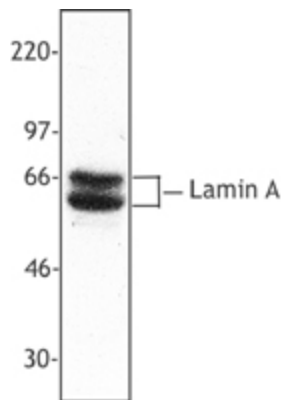
CDCD1; CDDC; CMD1A; CMT2B1; EMD2; FPL; FPLD; FPLD2; HGPS; IDC; LDP1; LFP; LGMD1B; LMN1; LMNC

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)

**Product images:**

HeLa cell nuclear extracts were resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit polyclonal anti-lamin A. Proteins were visualized using a donkey anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence system.