

## Rabbit anti-Human, Rat LMNA Polyclonal Antibody | anti-LMNA antibody

LMNA Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                  |
|-----------|--------|------------|---------------------------------------------------------------|
| AAA243455 | Rabbit | Human, Rat | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

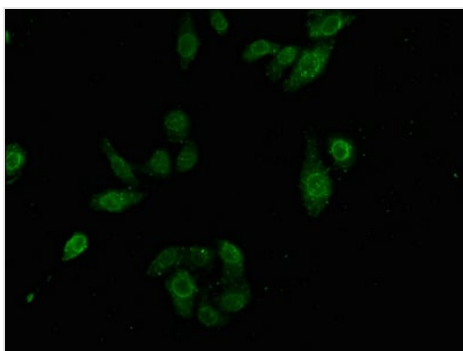
### PRODUCT SYNONYMS

LMNA; Polyclonal Antibody; LMNA Antibody; Prelamin-A/C [Cleaved into: Lamin-A/C (70 kDa lamin) (Renal carcinoma antigen NY-REN-32)]; LMN1; anti-LMNA antibody

### PRODUCT SPECIFICATIONS

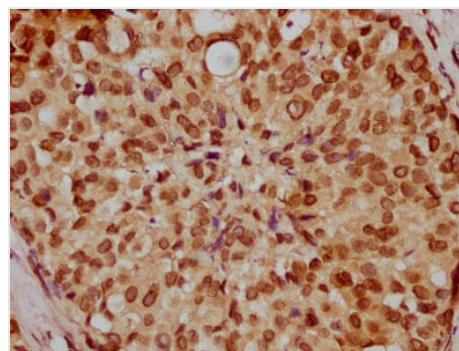
|                                                |                                                                                            |
|------------------------------------------------|--------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                     |
| Reactivity                                     | Human, Rat                                                                                 |
| Clonality                                      | Polyclonal                                                                                 |
| Isotype                                        | IgG                                                                                        |
| Purity/Purification                            | >95%, Protein G Purified                                                                   |
| Form/Format                                    | Liquid<br>Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Applicable Applications for anti-LMNA antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA              |
| Immunogen                                      | Recombinant Human Prelamin-A/C protein (385-572AA)                                         |
| Immunogen Species                              | Human                                                                                      |
| Conjugate                                      | Non-conjugated                                                                             |
| Preparation and Storage                        | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.                |

### IMAGES



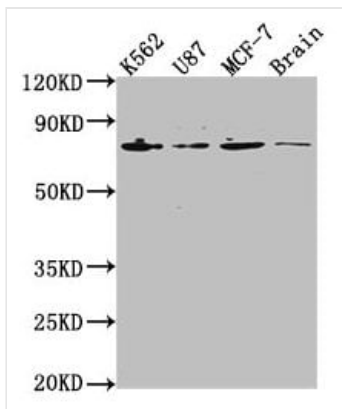
#### IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA243455 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



#### IHC (Immunohistochemistry)

IHC image of AAA243455 diluted at 1:200 and staining in paraffin-embedded human breast cancer performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### WB (Western Blot)

Western Blot Positive WB detected in: K562 whole cell lysate, U87 whole cell lysate, MCF-7 whole cell lysate, Rat brain tissue  
 All lanes: LMNA antibody at 1:2000  
 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution  
 Predicted band size: 75, 66, 71, 64, 63, 70 kDa  
 Observed band size: 75 kDa

### ADDITIONAL INFORMATION

|                                                  |              |
|--------------------------------------------------|--------------|
| Product Categories/Family for anti-LMNA antibody | Cell Biology |
|--------------------------------------------------|--------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 383792150                                                                                                 |
| NCBI GeneID                      | 4000                                                                                                      |
| NCBI Accession #                 | NP_001244303.1                                                                                            |
| NCBI GenBank Nucleotide #        | NM_001257374.1                                                                                            |
| UniProt Accession #              | P02545; P02546; Q5TCJ2; Q5TCJ3; Q969I8; Q96JA2; B4DI32; D3DVB0; E7EUI9                                    |
| Molecular Weight                 | 74,65kDa                                                                                                  |
| NCBI Official Full Name          | lamin isoform D                                                                                           |
| NCBI Official Synonym Full Names | lamin A/C                                                                                                 |
| NCBI Official Symbol             | LMNA                                                                                                      |
| NCBI Official Synonym Symbols    | FPL; IDC; LFP; CDDC; EMD2; FPLD; HGPS; LDP1; LMN1; LMNC; PRO1; CDCD1; CMD1A; FPLD2; LMNL1; CMT2B1; LGMD1B |
| NCBI Protein Information         | lamin; 70 kDa lamin; prelamin-A/C; lamin A/C-like 1; renal carcinoma antigen NY-REN-32                    |
| UniProt Protein Name             | Prelamin-A/C                                                                                              |
| UniProt Gene Name                | LMNA                                                                                                      |
| UniProt Synonym Gene Names       | LMN1                                                                                                      |
| UniProt Entry Name               | LMNA_HUMAN                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.