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LMNB1

Reactivity: Human Mouse Rat

Tested applications:WB IHC IF IP FC

Recommended Dilution:WB 1:500 - 1:1000 IHC 1:50 - 1:100 IF 1:20 - 1:50 IP 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW:66kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human LMNB1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

ADLD; LMN; LMN2; LMNB; MGC111419; Lamin B1;

Catalog #:A2452

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:4001

Isotype: IgG

Swiss Prot:P20700

Purity: Affinity purification

For research use only.

Background:

Lamins are nuclear membrane structural components that are important in maintaining normal cell functions, such as cell cycle control, DNA replication, and chromatin organization (1-3). Lamins have been subdivided into types A and B. Type-A lamins consist of lamin A and C, arising from alternative splicing. Lamin A and C are cleaved by caspases into large (41-50 kDa) and small (28 kDa) fragments, which can be used as markers for apoptosis (4,5). Type-B lamins consist of lamin B1 and B2, encoded by separate genes (6-8). Lamin B1 is also cleaved by caspases during apoptosis (9). Research studies have shown that duplication of the lamin B1 gene is correlated with the pathogenesis of the neurological disorder adult-onset leukodystrophy (10).

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