



LMNB1 Polyclonal Antibody

E92452

Catalog Number: E92452**Amount:** 100ul

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).

Species: Rabbit**Isotype:** IgG

Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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

Immunogen: Fusion protein of human LMNB1

Purification: Affinity purification

Reactivity: H M R

Applications: WB IHCIF IP

Molecular Weight: 66kDa

Swiss-Prot No.: P20700

Gene ID: 4001

References: 1. Gruenbaum, Y. et al. (2000) J Struct Biol 129, 313-23. 2. Goldberg, M. et al. (1999) Crit Rev Eukaryot Gene Expr 9, 285-93. 3. Yabuki, M. et al. (1999) Physiol Chem Phys Med NMR 31, 77-84. 4. Rao, L. et al. (1996) J Cell Biol 135, 1441-55. 5. Orth, K. et al. (1996) J Biol Chem 271, 16443-6. 6. Biamonti, G. et al. (1992) Mol Cell Biol 12, 3499-506. 7. Lin, F. and Worman, H.J. (1995) Genomics 27, 230-6. 8. Pollard, K.M. et al. (1990) Mol Cell Biol 10, 2164-75. 9. Chandler, J.M. et al. (1997) Biochem J 322 (Pt 1), 19-23. 10. Padiath, Q.S. et al. (2006) Nat Genet 38, 1114-23.

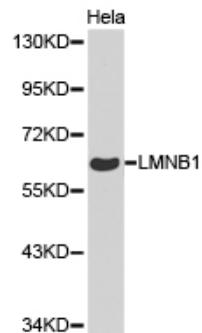
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WB 1:500 - 1:1000

IHC 1:50- 1:100

IF 1:20- 1:50

IP 1:20- 1:50



Western blot analysis of extracts of HeLa cell line, using LMNB1 antibody.