



## HNRNPA1 Polyclonal Antibody

E92622

**Catalog Number:** E92622

**Amount:** 100ul

**Background:** Heterogeneous nuclear ribonucleoprotein A1 (hnRNP A1) is a member of the hnRNP A/B family of related RNA binding proteins that bind pre-mRNA and are involved in the processing, metabolism, and transport of nuclear pre-mRNA transcripts (1). hnRNP A1 regulates the alternative splicing of c-Src and c-H-Ras (2,3) and modifies initiation of translation of the fibroblast growth factor 2 mRNA (4). hnRNP A1 expression level is elevated in many cancers; knockdown of hnRNP A1 leads to apoptosis in various cancer cells (5). Although predominantly nuclear, hnRNP A1 is continually transported from the nucleus to the cytoplasm where it disassociates from mRNA and is rapidly re-imported into the nucleus (6,7). hnRNP A1 binds to cis-acting repressive sequences (CRS) of HIV-1 to influence HIV-1 production (8,9). HIV-1 enhances hnRNP A1 expression and promotes the relocalization of hnRNP A1 to the cytoplasm (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:** HNRPA1; MGC102835;

**Immunogen:** Fusion protein of human HNRNPA1

**Purification:** Affinity purification

**Reactivity:** H M R

**Applications:** WB IHC

**Molecular Weight:** 34kDa

**Swiss-Prot No. :** P09651

**Gene ID:** 3178

**References:** 1. Myer, V.E. and Steitz, J.A. (1995) RNA 1, 171-82. 2. Rooke, N. et al. (2003) Mol Cell Biol 23, 1874-84. 3. Guil, S. et al. (2003) Mol Cell Biol 23, 2927-41. 4. Bonnal, S. et al. (2005) J Biol Chem 280, 4144-53. 5. Patry, C. et al. (2003) Cancer Res 63, 7679-88. 6. Piñol-Roma, S. and Dreyfuss, G. (1992) Nature 355, 730-2. 7. Siomi, M.C. et al. (1997) J Cell Biol 138, 1181-92. 8. Black, A.C. et al. (1996) Virus Genes 12, 275-85. 9. Hadian, K. et al. (2009) J Biol Chem 284, 33384-91. 10. Monette, A. et al. (2009) J Biol Chem 284, 31350-62.

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