



HNRNPK Polyclonal Antibody

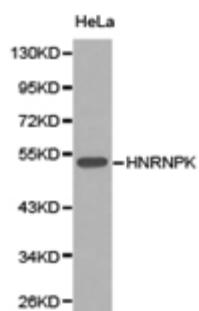
E91701

- Catalog Number:** E91701
- Amount:** 100ul
- Background:** Heterogeneous nuclear ribonucleoprotein K (hnRNP K) belongs to a family of RNA binding multiprotein complexes (hnRNP proteins) that facilitate pre-mRNA processing and transport of mRNA from the nucleus to cytoplasm (1-3). hnRNP K contains three unique structural motifs termed KH domains that bind poly(C) DNA and RNA sequences (4,5). Intricate architecture enables hnRNP K to facilitate mRNA biosynthesis (6), transcriptional regulation (7), and signal transduction. Research studies have shown that cytoplasmic hnRNP K expression is increased in oral squamous cell carcinoma and pancreatic cancer, and may be a potential prognostic factor (8,9). hnRNP K coordinates with p53 to regulate its target gene transcription in response to DNA damage. Proteasome degradation of hnRNP K is mediated by E3 ligase MDM2 (10). The interaction between hnRNP K and c-Src leads to hnRNP K phosphorylation, which allows for hnRNP K activation of silenced mRNA translation (11).
- 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:** CSBP; FLJ41122; HNRPK; TUNP;
- Immunogen:** Recombinant protein of human HNRNPK
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB IHC
- Molecular Weight:** 51kDa
- Swiss-Prot No. :** P61978
- Gene ID:** 3190
- References:** 1. Dreyfuss, G. et al. (1993) Annu Rev Biochem 62, 289-321. 2. Siomi, H. et al. (1994) Cell 77, 33-9. 3. Miao, L.H. et al. (1998) J Biol Chem 273, 10784-91. 4. Tomonaga, T. and Levens, D. (1995) J Biol Chem 270, 4875-81. 5. Choi, H.S. et al. (2009) Biochem Biophys Res Commun 380, 431-6. 6. Bustelo, X.R. et al. (1995) Mol Cell Biol 15, 1324-32. 7. Michelotti, E.F. et al. (1996) Mol Cell Biol 16, 2350-60. 8. Zhou, R. et al. (2010) Int J Cancer 126, 395-404. 9. Matta, A. et al. (2009) Int J Cancer 125, 1398-406. 10. Moumen, A. et al. (2005) Cell 123, 1065-78. 11. Ostareck-Lederer, A. et al. (2002) Mol Cell Biol 22, 4535-43.

For Research Use Only

WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of HeLa cell lines,
using HNRNPK antibody.