



E90599

## RRM1 Polyclonal Antibody

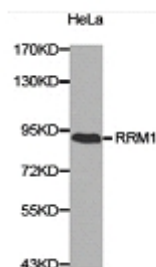
- Catalog Number:** E90599  
**Amount:** 100ul  
**Background:** Ribonucleoside-diphosphate reductase functions as a heterodimer of a large and a small subunits in deoxyribonucleotide synthesis. RRM1 constitutes to the large subunit (R1) of ribonucleotide reductase, and it can either form heterodimer with small subunit RRM or RRM2B(PMID:16376858). RRM1 provides the precursors necessary for DNA synthesis. RRM1 can not be detected in quiescent cells, while its mRNA and protein are present throughout the cell cycle in cycling cells(PMID:8188248). Researches showed that RRM1 is involved in carcinogenesis, tumor progression, and the resistance of non-small-cell lung cancer (NSCLC) to treatment. Low level expression of RRM1 in NSCLC is associated with poor survival(PMID:17314339). This antibody is specific to RRM1.  
**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:** R1; RIR1; RR1  
**Immunogen:** Recombinant protein of human RRM1  
**Purification:** Affinity purification  
**Reactivity:** H M R  
**Applications:** WB IHC IF IP  
**Molecular Weight:** 90kDa  
**Swiss-Prot No. :** P23921  
**Gene ID:** 6240

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 tissue,  
using RRM1 antibody.

**For Research Use Only**