

**RRM2 polyclonal antibody**

Catalog: BS80440

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

This gene encodes one of two non-identical subunits for ribonucleotide reductase. This reductase catalyzes the formation of deoxyribonucleotides from ribonucleotides. Synthesis of the encoded protein (M2) is regulated in a cell-cycle dependent fashion. Transcription from this gene can initiate from alternative promoters, which results in two isoforms that differ in the lengths of their N-termini. Related pseudogenes have been identified on chromosomes 1 and X.

**Product:**

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

45KDa

**Swiss-Prot:**

P31350

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB, 1:500 - 1:2000 | IHC, 1:50 - 1:100 | IF/ICC, 1:10 - 1:100 | IP, 1:50 - 1:200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

**Modification:**

Unmodification

**DATA:**

Western blot analysis of extracts of HeLa cells, using RRM2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.

Immunohistochemistry of paraffin-embedded human colon carcinoma using RRM2 Rabbit pAb at dilution of 1:150. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Immunohistochemistry of paraffin-embedded human lung cancer using RRM2 Rabbit pAb at dilution of 1:150. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Immunofluorescence analysis of U2OS cells using RRM2 Rabbit pAb at dilution of 1:150. Blue: DAPI for nuclear staining.

**Note:**

For research use only, not for use in diagnostic procedure.

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