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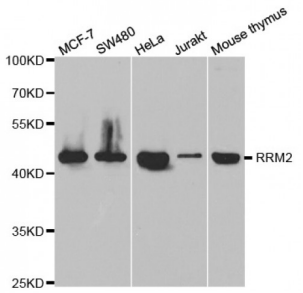
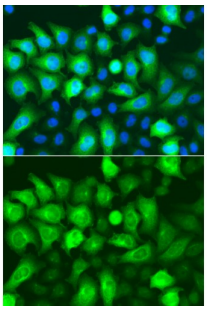
DATASHEET

Ribonucleoside-Diphosphate Reductase Subunit M2 (RRM2) Antibody

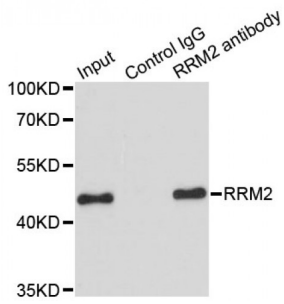
Catalogue No.:abx004031



Western blot analysis of extracts of various cell lines, using RRM2 antibody (abx004031) at 1/1000 dilution.



Immunofluorescence analysis of A549 cells using RRM2 antibody (abx004031). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 1 µg RRM2 antibody (abx004031). Western blot was performed from the immunoprecipitate using RRM2 antibody (abx004031) at a dilition of 1/1000.

RRM2 Antibody is a Rabbit Polyclonal antibody against RRM2. Ribonucleotide reductase M2 subunit is one of two subunits that constitute ribonucleotide reductase, the enzyme that catalyzes the conversion of ribonucleotide 5'-diphosphates into 2'-deoxyribonucleotides, a rate-limiting step in the production of 2'-deoxyribonucleoside 5'-diphosphates (dNTP) required for DNA synthesis and repair that is required for DNA synthesis and repair [PMID:20825972, 19250552]. RRM2 is only expressed during the late G1/early S phase, and degraded in late S phase, and the activity of RNR, and therefore DNA synthesis and cell proliferation, is controlled during the cell cycle by the synthesis and degradation of RRM2 subunit.

Target:	RRM2
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB, IF/ICC, IP

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Recommended dilutions: WB: 1/500 - 1/2000, IF/ICC: 1/10 - 1/100, IP: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Recombinant protein of human RRM2.

Purification: Affinity purified.

Form: Liquid

Isotype: IgG

Conjugation: Unconjugated

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Molecular Weight: Calculated MW: 44 kDa/51 kDa
Observed MW: 45 kDa

Swiss Prot: P31350

GeneID: 6241

Gene Symbol: RRM2

Concentration: > 1 mg/ml

Buffer: PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

Note: This product is for research use only.