

RRM2 Polyclonal Antibody

Catalog number: 11661-1-AP

Size: 37 µg/150 µl

Source: Rabbit

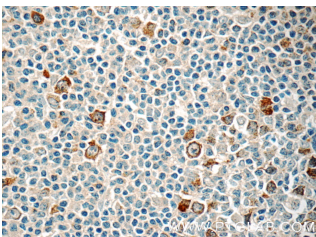
Isotype: IgG

Synonyms:

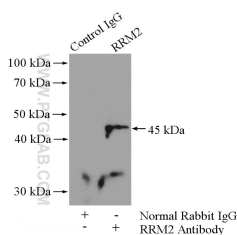
RRM2; R2, RR2, RR2M, RRM2



K-562 cells were subjected to SDS PAGE followed by western blot with 11661-1-AP(RRM2 antibody) at dilution of 1:200



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using 11661-1-AP(RRM2 Antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-RRM2 (IP:11661-1-AP, 4µg; Detection:11661-1-AP 1:500) with K-562 cells lysate 1200µg.

Background

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 [PMID:3894352].

Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated RRM2 MW:	389aa, 45 kDa
Observed RRM2 MW:	45kd
Positive WB detected in	K-562 cells, A431 cells, HeLa cells
Positive IP detected in	K-562 cells
Positive IHC detected in	Human tonsillitis tissue
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2203
GenBank accession number:	BC030154
Gene ID (NCBI):	6241
Full name:	Ribonucleotide reductase M2 polypeptide

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.