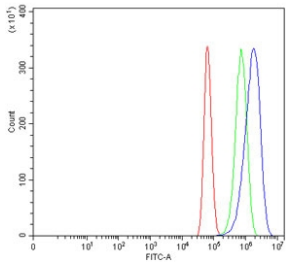
Ribonucleotide Reductase M1 Antibody / RRM1 (RQ6899)

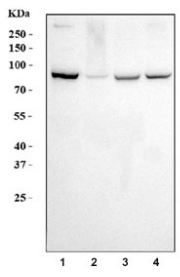
Catalog No.	Formulation	Size
RQ6899	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P23921
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Ribonucleotide Reductase M1 antibody is available for research use only.



Flow cytometry testing of human U-87 MG cells with Ribonucleotide Reductase M1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Ribonucleotide Reductase M1 antibody.



Western blot testing of human 1) HeLa, 2) A549, 3) T-47D and 4) K562 cell lysate with Ribonucleotide Reductase M1 antibody. Predicted molecular weight ~90 kDa.

Description

Ribonucleoside-diphosphate reductase large subunit is an enzyme that in humans is encoded by the RRM1 gene. This gene encodes the large and catalytic subunit of ribonucleotide reductase, an enzyme essential for the conversion of ribonucleotides into deoxyribonucleotides. A pool of available deoxyribonucleotides is important for DNA replication during S phase of the cell cycle as well as multiple DNA repair processes. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the Ribonucleotide Reductase M1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids D129-Q730) was used as the immunogen for the Ribonucleotide Reductase M1 antibody.

Storage

After reconstitution, the Ribonucleotide Reductase M1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.