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RAN

Reactivity: Human Mouse Rat

Tested applications:WB IHC IF IP RIP

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:20 - 1:50 RIP 1:20 - 1:50

Calculated MW:25kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human RAN

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

dj

Synonym:

RAN;ARA24;Gsp1;TC4 ;

Catalog #:A0976

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:5901

Isotype: IgG

Swiss Prot:P62826

Purity: Affinity purification

For research use only.

Background:

Ran is a small GTPase of the Ras family that plays a central role in the spacial and temperal organization of eukaryotic cells. During interphase, Ran-GDP localizes to the cytoplasm and Ran-GTP to the nucleus. This polarized localization of Ran ensures its role in nuclear transport (1). During mitosis, Ran-GTP is chromatin associated, where it promotes spindle assembly and nuclear envolope formation (1,2). In S phase, Ran-GTP associates with and inhibits MCM helicase, ensuring precise chromosomal DNA duplication during the cell cycle (3)

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