



# RANBP17, RAN binding protein 17 polyclonal antibody

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### Box 1 | Basic Info

Cat. No.	ABP-PAB-10228
Animal ID	RC40104
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_022897
Amount	100 µg

Alternative Name(s): N/A

Nucleo-cytoplasmic transport comprises a large number of distinct pathways, many of which are defined by members of the importin beta superfamily of nuclear transport receptors. The transport of protein and large RNAs through the nuclear pore complexes (NPC) is an energy-dependent and regulated process. The import of proteins with a nuclear localization signal (NLS) is accomplished by recognition of one or more clusters of basic amino acids by the importin-alpha/beta complex. The small GTPase RAN plays a key role in NLS-dependent protein import. RAN binding protein 17 (RANBP17) interacts with the nuclear pore complex and is able to enter the nucleus independent of energy and additional nuclear transport receptors.

#### Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

#### Immunogen

N/A

#### Application:

Tested by peptide-specific ELISA (1:1,000).

#### Storage:

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

#### References:

1. Kutay U, Hartmann E, Treichel N, Calado A, Carmo- Fonseca M, Prehn S, Kraft R, Gorlich D, Bischoff FR: Identification of two novel RanGTP-binding proteins belonging to the importin beta superfamily. J. Biol. Chem. 275(51): 40163-40168 (2000).