

## RANBP1 polyclonal antibody

Catalog: BS60214

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The small Ras-related protein Ran, also called TC4, is a nuclear localized GTPase implicated in a diverse array of cellular processes including DNA replication, entry into and exit from mitosis and the transport of RNA and proteins through the nuclear pore complex. Like Ras, active Ran GTP and inactive Ran GDP levels are tightly regulated by guanine nucleotide exchange factors (GEFs) and GTPase activating proteins (GAPs). The abundant GEF, RCC1 (regulator of chromosome condensation 1), increases the rate at which Ran exchanges GDP for GTP. Ran GAP1 opposes the effects of RCC1 by increasing the rate at which Ran hydrolyzes GTP to GDP. A protein designated Ran BP1 has no intrinsic GAP activity, and functions as a GEF inhibitor deactivating RCC1 and thereby indirectly increasing the ratio of Ran GDP to Ran GTP. The Ran BP2 protein has been proposed as the Ran GTP docking site at the periphery of the nuclear pore complex.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 23 kDa

### Swiss-Prot:

P43487

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

RANBP1 polyclonal antibody detects endogenous levels of RANBP1 protein.

### DATA:



Western blot (WB) analysis of RANBP1 polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate

Lane2:Mouse brain tissue lysate

Lane3:Rat brain tissue lysate

### Note:

For research use only, not for use in diagnostic procedure.

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