

Rae1 polyclonal antibody

Catalog: BS91148

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Mrnp41 (mRNA-binding protein, 41-KD), also known as Rae1 protein homolog and mRNA export factor, is a 368 amino acid protein that binds mRNA and is involved in nucleocytoplasmic transport. Though characterized in both the nucleus and cytoplasm, mrnp41 is primarily localized to the nuclear pore complex in the nuclear envelope. Mutations in mrnp41 may result in the accumulation of poly(A)-containing mRNA in the nucleus, further supporting the role of mrnp41 as a primary nuclear exporter of mRNA. Along with Nup98, mrnp41 has been shown to regulate E-cadherin, an activating subunit of the anaphase-promoting complex complex, which results in the prevention of securin degradation, therefore suggesting that mrnp41 may play a potential role in maintaining euploidy. Also, during mitosis, both mrnp41 and NuMA have been shown to be required for bipolar spindle formation.

Product:

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

Molecular Weight:

41 kDa

Swiss-Prot:

P78406(Human) Q8C570(Mouse) Q3SWS8(Rat)

Purification&Purity:

Peptide affinity purified.

Applications:

WB:1:500-1,000

ICC:1:50-1:200

FC:1:50-1:200

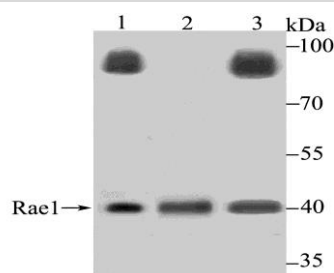
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

Specificity:

Rae1 polyclonal antibody detects endogenous levels of Rae1 protein.

DATA:



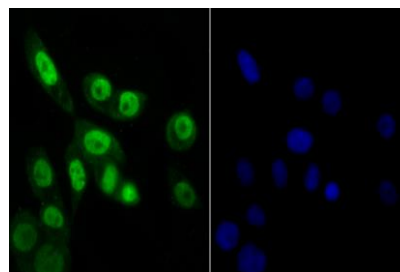
Western blot analysis of Rae1 on different lysates using anti-Rae1 antibody at 1/500 dilution.

Positive control:

Lane1: PC-3

Lane2: Mouse testis tissue

Lane3: Rat testis tissue



ICC staining Rae1 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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