

## Rab9 Rabbit monoclonal antibody

Catalog: BS9854M

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The Ras-related superfamily of guanine nucleotide binding proteins, which includes the R-Ras, Rap, Ral/Rec and Rho/Rab subfamilies exhibit 30-60% homology with Ras p21. Accumulating data suggests an important role for Rab proteins, either in endocytosis or in biosynthetic protein transport. The transport of newly synthesized proteins from the endoplasmic reticulum to various stacks of the Golgi complex and to secretory vesicles involves at each stage the movement of carrier vesicles, a process that appears to involve Rab protein function. The possibility that Rab proteins might also direct the exocytosis from secretory vesicles to the plasma membrane is supported by the observation that in yeast, the SEC4 protein, which is 40% homologous to Rab proteins, is associated with secretory vesicles. At least eight members of the Rab subfamily have been identified, each of which is found at a particular stage of a membrane transport pathway.

### Product:

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

### Molecular Weight:

~ 23 kDa

### Swiss-Prot:

P51151

### Purification&Purity:

Protein A affinity purified

### Applications:

WB: 1:1000-1:2000

ICC/IF: 1:50-1:200

### Storage&Stability:

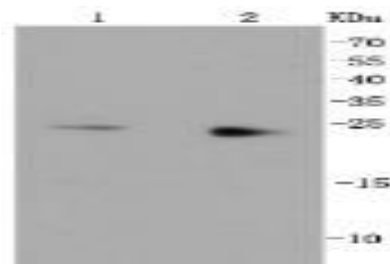
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

This antibody detects endogenous levels of Rab9 and does not cross-react with related proteins.

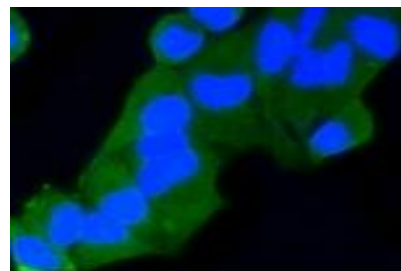
### DATA:



Western blot (WB) analysis of Rab9 Rabbit mAb at 1:1000 dilution

Lane1:HepG2 whole cell lysate

Lane2:K562 whole cell lysate



ICC staining Rab9 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.

### Note:

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

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