

RHEB polyclonal antibody

Catalog: BS91168

Host: Rabbit

Reactivity: Human

BackGround:

H-, K- and N-Ras represent the prototype members of a family of small G proteins which are frequently activated to an oncogenic state in a wide variety of human tumors. Activation is due to point mutations at position 12 or 61 within their coding sequence. Such mutations cause these proteins to be constitutively converted to their active GTP-bound rather than the inactive GDP-bound state. The related human R-Ras gene was initially cloned by low stringency hybridization methods. Position 38 or 87 mutants of R-Ras (analogous to positions 12 and 61 in H-Ras) have been shown to be capable of activating oncogenic function. Ras p21 in its active GTP binding state binds to Raf-1, resulting in activation of the MAP kinase signaling cascade. An additional member of the Ras family, Rheb (Ras-related GTP-binding protein), also interacts with Raf-1. This interaction is potentiated by growth factors and agents that increase cAMP levels.

Product:

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

Molecular Weight:

21 kDa

Swiss-Prot:

Q15382

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1000-1:5,000

IF/ICC:1:20-1:50

IHC:1:20-1:100

FC:1:20-1:100

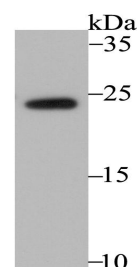
Storage&Stability:

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

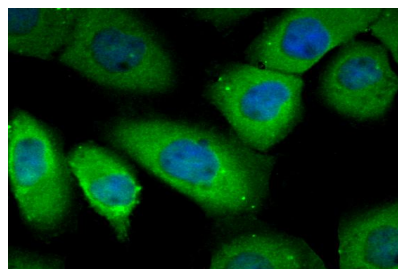
Specificity:

RHEB polyclonal antibody detects endogenous levels of RHEB protein.

DATA:



Western blot analysis of RHEB on A431 cell lysate using anti-RHEB antibody at 1/1,000 dilution.



ICC staining RHEB in A431 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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