

## Neurofibromin (R1575) polyclonal antibody

Catalog: BS2687

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Neurofibromatosis type 1 (NF1), or von Recklinghausen neurofibromatosis, is one of the most common autosomal dominant disorders in humans. Early linkage analysis mapped the NF1 gene to chromosome 17. The predicted NF1 transcript encodes a 2818 amino acid protein designated NF1GRP. By sequence analysis, similarity has been demonstrated within a small region of NF1GRP and members of the Ras GAP gene family. Functionally, NF1GRP was shown by biochemical analysis involving RAS-GAP hydrolysis and functional complementation in yeast to further resemble GAP protein. The NF1 protein is expressed at relatively constant levels in a broad range of cell lines and tissues including brain, lung, liver, kidney, spleen, muscle and colon. Although little is known regarding the function of NF1GRP, the homology with the catalytic domain of proteins with GTPase activity suggests that the NF1GRP may also interact in vivo with Ras proteins.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 319 kDa

### Swiss-Prot:

P21359

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IF: 1:50~1:200

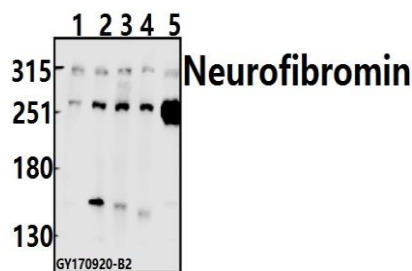
### Storage&Stability:

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

### Specificity:

Neurofibromin (R1575) polyclonal antibody detects endogenous levels of Neurofibromin protein.

### DATA:



Western blot (WB) analysis of Neurofibromin (R1575) pAb at 1:500 dilution

Lane1:MCF-7 whole cell lysate(40ug)

Lane2:Panc1 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

Lane4:CT26 whole cell lysate(40ug)

Lane5:H9C2 whole cell lysate(40ug)

### Note:

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

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