

## GRF-1 (phospho-Y1105) polyclonal antibody

Catalog: BS4232

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

GRF-1 (glucocorticoid receptor DNA-binding factor 1), also known as p190RhoGAP or simply p190, is a transcriptional regulator which binds to the promoter region of the glucocorticoid receptor gene and represses its expression. By repressing GR expression, GRF-1 acts to down-regulate Rho signaling, thereby mediating both actin cytoskeletal rearrangements and cell cycle events. Through its GAP domain, GRF-1 is thought to affect cytokinesis by regulating Rho activity; a regulation that is controlled by the ubiquitination of the GTP binding region and subsequent degradation of GRF-1. Additionally, GRF-1 plays an important role in oligodendrocyte differentiation, a process that is absent in malignant glioma tumors, implicating GRF-1 as a possible tumor suppressor. GRF-1 expression is regulated by glucocorticoids and the expressed protein exists as two isoforms produced by alternative splicing events.

### Product:

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

### Molecular Weight:

~ 172 kDa

### Swiss-Prot:

Q9NRY4

### 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

IHC: 1:50~1:200

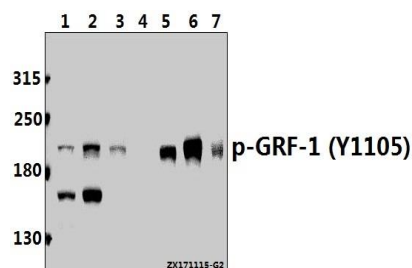
### Storage&Stability:

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

### Specificity:

p-GRF-1 (Y1105) polyclonal antibody detects endogenous levels of GRF-1 protein only when phosphorylated at Tyr1105.

### DATA:



Western blot (WB) analysis of p-GRF-1 (Y1105) pAb at 1:500 dilution

Lane1: The Heart tissue lysate of Rat(40ug)

Lane2: K562 whole cell lysate(40ug)

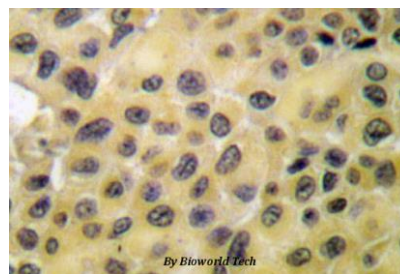
Lane3: Jurkat whole cell lysate(40ug)

Lane4: The Blood tissue lysate of Mouse(40ug)

Lane5: H1792 whole cell lysate(40ug)

Lane6: HEK293T whole cell lysate(40ug)

Lane7: SP2/0 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-GRF-1 (Y1105) pAb in paraffin-embedded human brain tissue.

### Note:

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

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## PRODUCT DATA SHEET

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