

## 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:

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

### 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

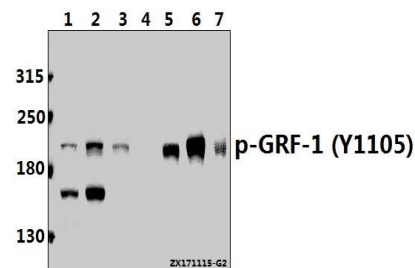
### Storage&Stability:

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)

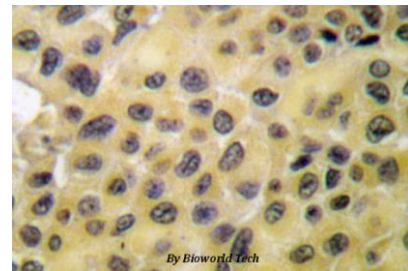
Lane3: Jurkat whole cell lysate (40ug)

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.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151



## PRODUCT DATA SHEET

Bioworld Technology, Inc.

---

---

### **Bioworld Technology, Inc.**

**Add:** 1660 South Highway 100, Suite 500 St. Louis Park,  
MN 55416, USA.

**Email:** [info@bioworld.com](mailto:info@bioworld.com)

**Tel:** 6123263284

**Fax:** 6122933841

### **Bioworld technology, co. Ltd.**

**Add:** No 9, weidi road Qixia District Nanjing, 210046,  
P. R. China.

**Email:** [info@biogot.com](mailto:info@biogot.com)

**Tel:** 0086-025-68037686

**Fax:** 0086-025-68035151