

## GR (phospho-S211) polyclonal antibody

Catalog: BCP00834

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The glucocorticoid receptor (GR) is a ubiquitously expressed transcription factor that mediates the effects of glucocorticoids. The most abundant isoform is GR  $\alpha$ . GR induces or represses the expression of genes in response to glucocorticoids, mediating such processes as apoptosis, cell growth and differentiation. A significant class of genes suppressed by GR is controlled by the transcription factor AP-1. GR has also been shown to be the limiting factor in the induction of gene expression by glucocorticoids. It has been revealed that GR forms a complex with HSP 90, rendering the non-ligand bound receptor transcriptionally inactive. More importantly, mutant GRs lacking the signaling domain remain constitutively active.

### Product:

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

### Molecular Weight:

~ 90,95 kDa

### Swiss-Prot:

P04150

### 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:

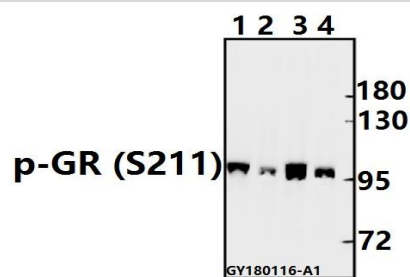
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

p-GR (S211) polyclonal antibody detects endogenous levels of GR protein only when phosphorylated at Ser211

### DATA:



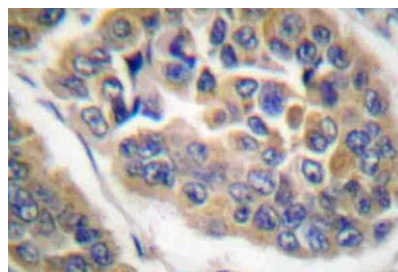
Western blot (WB) analysis of p-GR (S211) pAb at 1:500 dilution

Lane1:SK-OVCAR3 whole cell lysate(40ug)

Lane2:PC12 whole cell lysate(40ug)

Lane3:CT26 whole cell lysate(40ug)

Lane4:SGC7901 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-GR (S211) pAb in paraffin-embedded human breast cancer tissue.

### Note:

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