

## ER $\beta$ (phospho-S105) polyclonal antibody

Catalog: BS4503

Host: Rabbit

Reactivity: Human

### BackGround:

Estrogen receptors (ER) are members of the steroid/thyroid hormone receptor superfamily of ligand-activated transcription factors. Estrogen receptors, including ER $\alpha$  and ER $\beta$ , contain DNA binding and ligand binding domains and are critically involved in regulating the normal function of reproductive tissues. ER $\alpha$  and ER $\beta$  have been shown to be differentially activated by various ligands. Receptor-ligand interactions trigger a cascade of events, including dissociation from heat shock proteins, receptor dimerization, phosphorylation and the association of the hormone activated receptor with specific regulatory elements in target genes. Evidence suggests that ER $\alpha$  and ER $\beta$  may be regulated by distinct mechanisms even though they share many functional characteristics.

### Product:

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

### Molecular Weight:

~ 60 kDa

### Swiss-Prot:

Q92731

### 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

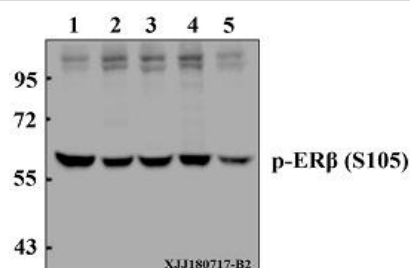
### Storage&Stability:

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

### Specificity:

ER $\beta$  (phospho-S105) polyclonal antibody detects endogenous levels of Er $\beta$ protein around the phosphorylation site of S105.

### DATA:



Western blot (WB) analysis of p-ER $\beta$  (S105) pAb at 1:500 dilution

Lane1:SGC7901 whole cell lysate(40  $\mu$ g)

Lane2:SK-OVCAR3 whole cell lysate(40  $\mu$ g)

Lane3:MCF-7 whole cell lysate(40  $\mu$ g)

Lane4:PC3 whole cell lysate(40  $\mu$ g)

Lane5:LO2 whole cell lysate(40  $\mu$ g)

### Note:

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

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