

## Insulin Receptor (phospho-Y1355) polyclonal antibody

Catalog: BCP00963

Host: Rabbit

Reactivity: Human

### BackGround:

The insulin receptor (IR) is a heterodimeric protein complex that has an intracellular  $\beta$  subunit and an extracellular  $\alpha$  subunit, which is disulfide-linked to a transmembrane segment. The insulin ligand binds to the IR and initiates molecular signaling pathways that promote glucose uptake in cells and glycogen synthesis. Insulin binding to IR induces phosphorylation of intracellular tyrosine kinase domains and recruitment of multiple SH2 and SH3 domain-containing intracellular proteins that serve as signaling intermediates for pleiotropic effects of insulin.

### Product:

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

### Molecular Weight:

~ 156 kDa

### Swiss-Prot:

P06213

### 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:

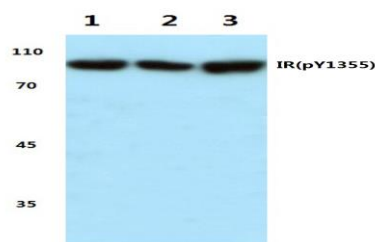
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-Insulin Receptor (Y1355) polyclonal antibody detects endogenous levels of Insulin Receptor protein only when

phosphorylated at Tyr1355.

### DATA:



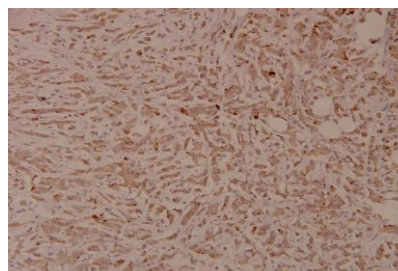
Western blot (WB) analysis of p-Insulin Receptor (Y1355) pAb at 1:500 dilution

Lane1:H1792 whole cell lysate(40ug)

Lane2:HepG2 whole cell lysate(40ug)

Lane3:A549 whole cell lysate(40ug)

Lane4:L02 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-Insulin Receptor (Y1355) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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