

## ErbB2/HER2 (phospho-Y1221/Y1222) polyclonal antibody

Catalog: BS4088

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

The EGF receptor family comprises several related receptor tyrosine kinases that are frequently overexpressed in a variety of carcinomas. Members of this receptor family include EGFR (HER1), Neu (ErbB-2, HER2), ErbB-3 (HER3), and ErbB-4 (HER4), which form either homodimers or heterodimers upon ligand binding. Neu, a glycoprotein, undergoes transactivation upon hetero-dimerization with other EGF receptor family members. Neu heterodimerization with ErbB-3 recruits hergulin, which induces phosphoinositide (PI) 3-kinase activation. Activation of Neu potentiates tumor cell motility and protease secretion and invasion, and also modulates cell cycle checkpoint function, DNA repair and apoptotic responses.

### Product:

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

### Molecular Weight:

~ 138,185 kDa

### Swiss-Prot:

P04626

### 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

IP: 1:50~1:200

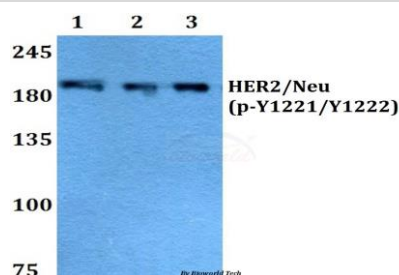
### Storage&Stability:

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

### Specificity:

p-ErbB2/HER2 (Y1221/Y1222) polyclonal antibody detects endogenous levels of ErbB2/HER2 protein only when phosphorylated at Tyr1221 and Tyr1222.

### DATA:

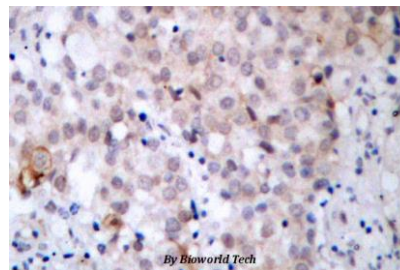


Western blot (WB) analysis of p-HER2/Neu (Y1221/Y1222) polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate treated with EGF(0.1ng/ml,30mins)

Lane2:Raw264.7 cell lysate treated with EGF(0.1ng/ml,30mins)

Lane3:PC12 cell lysate treated with EGF(0.1ng/ml,30mins)



Immunohistochemistry (IHC) analyzes of p-ErbB2/HER2 (Y1221/Y1222) pAb in paraffin-embedded human breast carcinoma tissue.

### Note:

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

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