

## HER2 / ErbB2 polyclonal antibody

Catalog: BS90630

Host: Rabbit

Reactivity: Human

### BackGround:

HER2 is a member of the human epidermal growth factor receptor (HER/EGFR/ERBB) family. Amplification or overexpression of this oncogene has been shown to play an important role in the development and progression of certain aggressive types of breast cancer. In recent years the protein has become an important biomarker and target of therapy for approx. 30% of breast cancer patients. Over-expression is also known to occur in ovarian, stomach, and aggressive forms of uterine cancer, such as uterine serous endometrial carcinoma. The expression of HER2 is regulated by signaling through estrogen receptors. Normally, estradiol and tamoxifen acting through the estrogen receptor down-regulate the expression of HER2. However, when the ratio of the coactivator AIB-3 exceeds that of the corepressor PAX2, the expression of HER2 is upregulated in the presence of tamoxifen, leading to tamoxifen-resistant breast cancer.

### Product:

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

### Molecular Weight:

140kDa

### Swiss-Prot:

P04626

### Purification&Purity:

Peptide affinity purified

### Applications:

WB:1:500-1:1,000

ICC:1:200

IHC:1:200

### Storage&Stability:

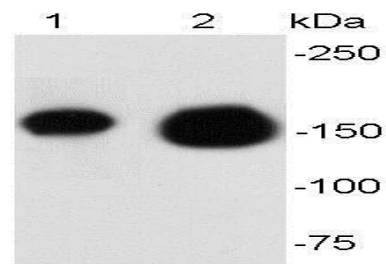
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

### Specificity:

HER2 / ErbB2 polyclonal antibody detects endogenous levels of HER2 / ErbB2 protein.

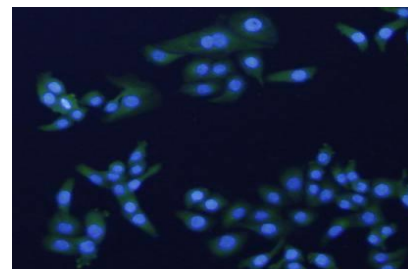
### DATA:



Western blot analysis of ErbB2 on different cell lysates using anti-ErbB2 antibody at 1/500 dilution. Positive control:

Lane 1: SKOV-3

Lane2: SKBR-3



ICC staining ErbB2 in SKOV-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

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

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