# ErbB2/HER2 (T1242) polyclonal antibody

Catalog: BCP00735

Host: Ra

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 heregulin, 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:**

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

## **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

**Storage&Stability:** 

Store at  $4 \,^{\circ}{\rm C}$  short term. Aliquot and store at  $-20 \,^{\circ}{\rm C}$  long term. Avoid freeze-thaw cycles.

## **Specificity:**

ErbB2/HER2 (T1242) polyclonal antibody detects endogenous levels of ErbB2/HER2 protein.





Western blot (WB) analysis of ErbB2/HER2 (T1242) pAb at 1:500 dilu-

tion Lane1:MCF-7 whole cell lysate(40ug) Lane2:CT26 whole cell lysate(40ug)

Lane3:PC12 whole cell lysate(20ug)



Immunohistochemistry (IHC) analyzes of ErbB2/HER2 (T1242) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

#### Note:

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