ErbB2/HER2 (T1242) polyclonal antibody

Catalog: BS1171 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 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:

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

Storage&Stability:

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

Specificity:

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

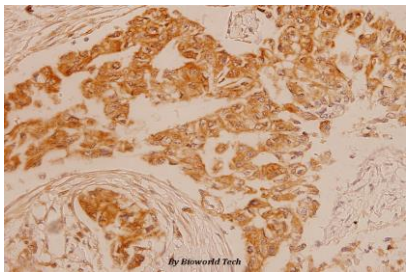
DATA:

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

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.

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