

ERBB3 (phospho-Y1328) polyclonal antibody

Catalog: BS64082

Host: Rabbit

Reactivity: Human, Mouse

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. Full length ErbB-3 is overexpressed in human mammary tumors. The ErbB-3 gene also produces several alternative variants, including a secreted form of which negatively regulates heregulin stimulated ErbB activation. ErbB-3 heterodimerizes with Neu and binds heregulin in order to activate phosphoinositide (PI) 3-kinase. The recruitment and activation of PI 3-kinase occurs via its interaction with phosphorylated YXXM motifs in the carboxy terminus of ErbB-3.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 148 kDa

Swiss-Prot:

P21860

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

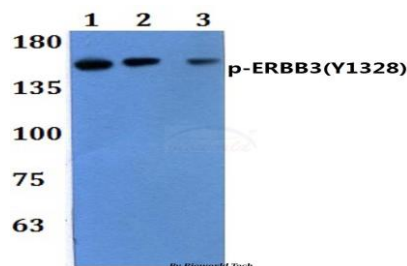
Storage&Stability:

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

Specificity:

p-ERBB3(Y1328) polyclonal antibody pAb detects endogenous levels of ERBB3 protein around the phosphorylation site of Y1328.

DATA:



Western blot (WB) analysis of p-ERBB3(Y1328) polyclonal antibody pAb at 1:500 dilution

Lane1: MCF-7 treated with EGF(0.1ng/ml) 30 min whole cell lysate

Lane2: THP-1 treated with EGF(0.1ng/ml) 30 min whole cell lysate

Lane3: Raw264.7 treated with EGF(0.1ng/ml) 30 min whole cell lysate

Note:

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

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