

EGFR (E687) polyclonal antibody

Catalog: BS1104

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. Ligand binding promotes the internalization of EGFR via Clathrin-coated pits and its subsequent degradation in response to its intrinsic tyrosine kinase. EGFR is involved in organ morphogenesis and maintenance and repair of tissues, but upregulation of EGFR is associated with tumor progression. The oncogenic effects of EGFR include initiation of DNA synthesis, enhanced cell growth, invasion and metastasis. Abrogation of EGFR results in cell cycle arrest, apoptosis or dedifferentiation of cancer cells, suggesting that EGFR may be an effective therapeutic target.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 175 kDa

Swiss-Prot:

P00533

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

IF: 1:50~1:200

Storage&Stability:

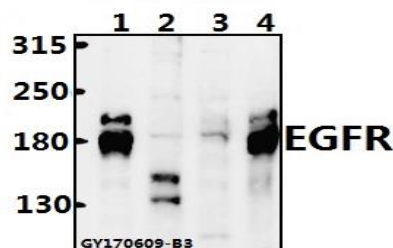
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

EGFR (E687) polyclonal antibody detects endogenous levels of EGFR protein.

DATA:



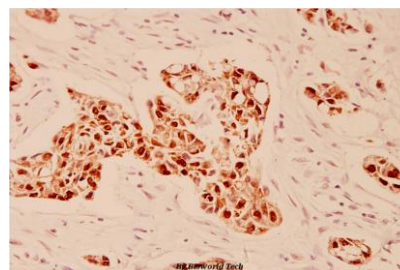
Western blot (WB) analysis of EGFR (E687) polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate(20ug)

Lane2:C6 whole cell lysate(40ug)

Lane3:AML-12 whole cell lysate(40ug)

Lane4:SK-OVCAR3 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of EGFR (E687) 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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