EGFR (phospho-T669) polyclonal antibody

Catalog: BCP00694 Host: Rabbit Reactivity: Human

BackGround:

EGFR (Epidermal growth factor receptor, ErbB-1) is a receptor tyrosine kinase (RTK) that is one of four members of the EGFR/ErbB family of receptor tyrosine kinases. EGFR plays a key role in the regulation of essential normal cellular processes and in the pathophysiology of hyperproliferative diseases such as cancer. Activation of the EGFR signaling pathway has been linked with increased cell proliferation, angiogenesis, metastasis and decreased apoptosis. Thr669 (equivalent to Thr693 of human EGFR) is phosphorylated by p38 MAP kinase following EGF stimulation. Phosphorylation of EGFR at Thr669 may be involved in regulation of ligand induced receptor internalization through interaction with specific downstream EGFR tyrosine kinase substrates.

Product:

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

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

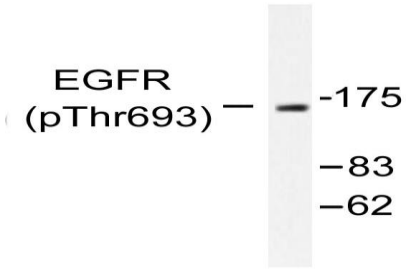
Storage&Stability:

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

Specificity:

p-EGFR (T669) polyclonal antibody detects endogenous levels of EGFR protein only when phosphorylated at Thr669 (removal of the signal peptide).

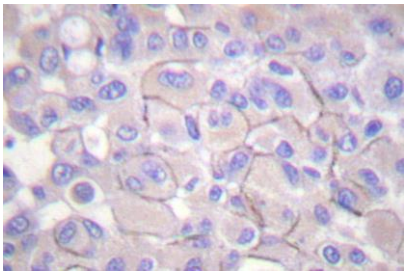
DATA:



Western blot (WB) analysis of EGFR (phospho-T669) polyclonal antibody at 1:500 dilution

Lane1:HCC827 whole cell lysate(20ug)

Lane2:A549 whole cell lysate(40ug)



Note:

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

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