



EGFR Mouse Monoclonal Antibody

E12-162

Catalog Number: E12-162**Amount:** 100µg/100µl**Clone Number:** M6

Background: The epidermal growth factor receptor (EGFR; ErbB-1; HER1 in humans) is the cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. Known ligands include EGF, TGFA/TGF- α , amphiregulin, epigen/EPGN, BTC/betacellulin, epiregulin/EREG and HBEGF/heparin-binding EGF. Ligand binding triggers receptor homo- and/or heterodimerization and autophosphorylation on key cytoplasmic residues. The phosphorylated receptor recruits adapter proteins like GRB2 which in turn activates complex downstream signaling cascades.

Form of Antibody: Mouse IgG1 in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

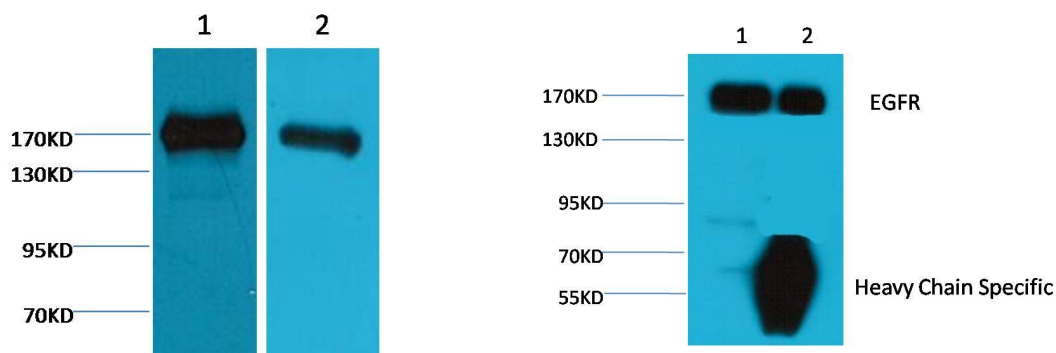
Storage/Stability: Store at $-20^{\circ}C$ /1 year

Specificity/Sensitivity: Antibody can detects endogenous EGFR protein.

Reactivity: Human

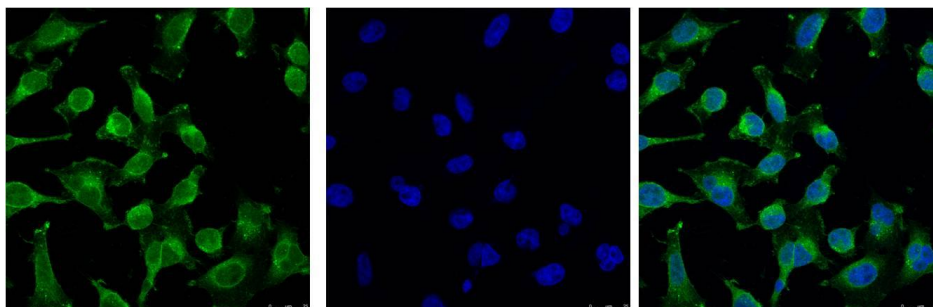
MW: 170KD

Applications: WB: 1:1,000-3,000 IP: 1:50-200 IF: 1:50-100 IHC: 1:100-500



Western blot analysis of 1) A431 ,2) HeLa, with E12-162 diluted at 1:2,000.

1、Input: HeLa Cell Lysate. 2、IP product: IP dilute 1:200.
Western blot analysis: primary antibody : E12-162 1:1,000. Secondary antibody: Goat anti-Mouse IgG, Heavy Chain Specific , 1:5,000.



IF analysis of HeLa with E12-162 (Left) and DAPI (Right) diluted at 1:100.

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