

Product Datasheet

EGFR Antibody

Catalog No: CY5064

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB ICC/IF IP FC



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Information

UniProt ID: P00533

All Names: EC 2.7.10.1; Receptor protein-tyrosine kinase ErbB-1; kinase EGFR; ERBB1; Epidermal growth factor receptor precursor

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide derived from human EGFR Full-length sequence 1210aa around the c-term

Molecular Wt.: 180 kDa

Application

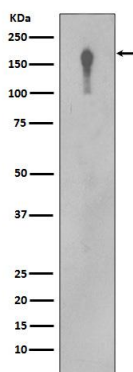
WB: 1:1000~1:2000

ICC/IF: 1:50~1:200

IP: 1:30

Background

EGFR is a receptor tyrosine kinase. Receptor for epidermal growth factor (EGF) and related growth factors including TGF- α , amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. Is involved in the control of cell growth and differentiation. . A single-pass transmembrane tyrosine kinase. Ligand binding to this receptor results in receptor dimerization, autophosphorylation (in trans), activation of various downstream signaling molecules and lysosomal degradation. Can be phosphorylated and activated by Src. Activated EGFR binds the SH2 domain of phospholipase C-gamma (PLC-gamma), activating PLC-gamma-mediated downstream signaling. Phosphorylated EGFR binds Cbl, leading to its ubiquitination and degradation.



Western blot analysis of EGFR in A431 cell lysate.

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