Product Datasheet

Phospho-EGFR (Y1197) Antibody

Catalog No: CY5614 Reactivity: Human

Isotype: Rabbit IgG Applications: WB IHC ICC/IF IP

Abways TECHNOLOGY

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Information

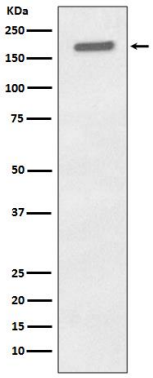
UniProt ID: P00533
All Names: EC 2.7.10.1; ERBB1; Epidermal growth factor receptor precursor; Receptor protein-tyrosine kinase ErbB-1; kinase EGFR;
Form: Liquid
Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity: Affinity-chromatography
Immunogen: A synthesized peptide derived from human EGFR Full-length sequence 1210aa around the phosphorylation site of Tyrosine 1197
Molecular Wt.: 175 kDa

Application

WB: 1:500~1:2000
IHC: 1:50~1:100
ICC/IF: 1:50~1:100
IP: 1:20

Background

The epidermal growth factor (EGF) receptor is a transmembrane tyrosine kinase that belongs to the HER/ErbB protein family. Ligand binding results in receptor dimerization, autophosphorylation, activation of downstream signaling, internalization, and lysosomal degradation. The GRB2 adaptor protein binds activated EGFR at phospho-Tyr1068. A pair of phosphorylated EGFR residues (Tyr1148 and Tyr1173) provides a docking site for the Shc scaffold protein, with both sites involved in MAP kinase signaling activation. Phosphorylation of EGFR at specific serine and threonine residues attenuates EGFR kinase activity.



Western blot analysis of Phospho-EGFR (Y1197) expression in A431 cell lysate treated with EGF.