

## EGFR (5E10) MOUSE MAB

**Cat.#:** N261441

**Product Name:** Anti-EGFR (5E10) Mouse Monoclonal Antibody

**Synonyms:** EGFR; ERBB; ERBB1; HER1; Epidermal growth factor receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1

**UNIPROT ID:** P00533

**Background:** EGFR is a receptor tyrosine kinase. Receptor for epidermal growth factor (EGF) and related growth factors including TGF- $\alpha$ , 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.

**Immunogen:** Purified recombinant human EGFR protein fragments expressed in E.coli.

**Applications:** WB,ICC/IF,IP

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 5E10-G10-E11

**MW:** Calculated MW: 134 kDa; Observed MW: 175 kDa

**Isotype:** IgG1

**Purification:** Affinity Purified

**Species Reactivity:** Human,Monkey

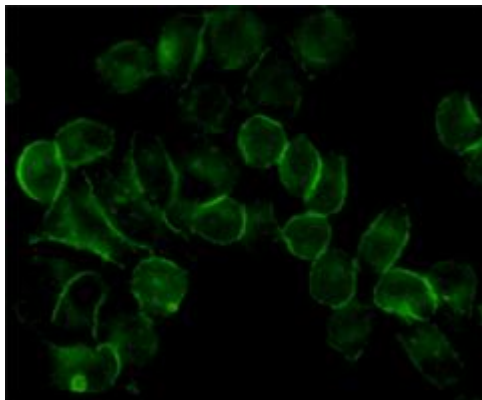
**Conjugation:** Unconjugated

**Modification:** Unmodified

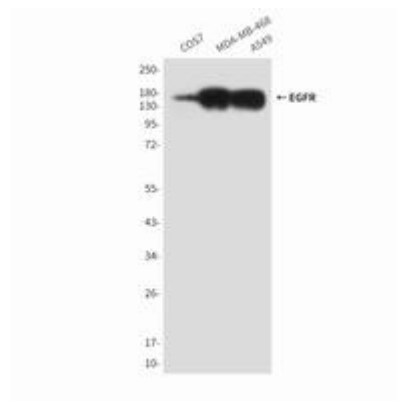
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Signal Transduction

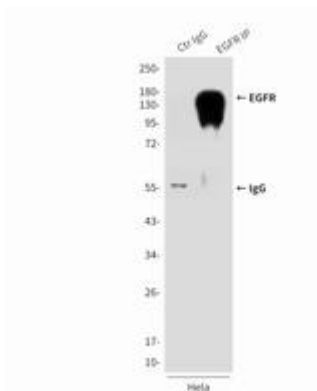
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



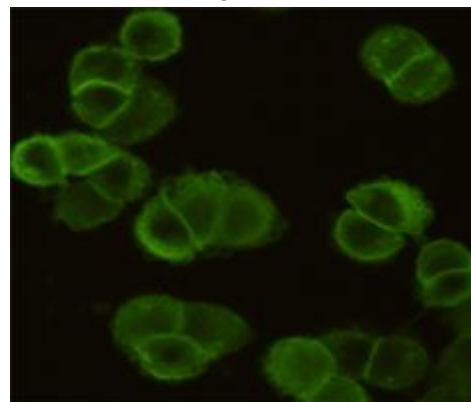
Immunocytochemistry analysis of EGFR (5E10) in HeLa using EGFR antibody.



Western blot analysis of EGFR in A549, MDA-MB-468 and COS7 lysates using EGFR antibody.



Immunoprecipitation analysis of EGFR (5E10) in HeLa lysates using EGFR antibody.



Immunocytochemistry analysis of EGFR in MDA-MB-468 cells using EGFR antibody.