

## EGFR (3A9) MOUSE MAB

**Cat.#:** N261270

**Product Name:** Anti-EGFR (3A9) 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:** Synthetic Peptide of EGFR

**Applications:** WB,IHC-F,IHC-P,ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 3A9-9D2-9F7

**MW:** Calculated MW: 134 kDa; Observed MW: 170 kDa

**Isotype:** IgG1

**Purification:** Affinity Purified

**Species Reactivity:** Human

**Conjugation:** Unconjugated

**Modification:** Unmodified

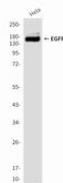
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Signal Transduction

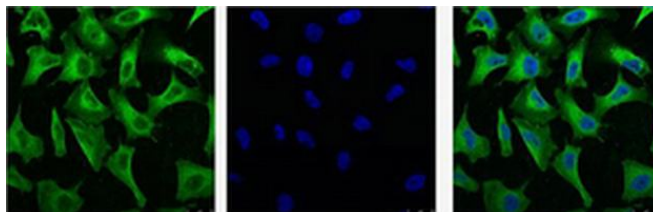
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



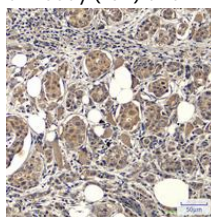
Western blot analysis of EGFR (3A9) in HeLa, A549 lysates using EGFR (3A9) antibody



Western blot analysis of EGFR (3A9) in HeLa lysates using EGFR (3A9) antibody



Immunofluorescence analysis of EGFR in HeLa using EGFR (3A9) antibody (Left) and DAPI (Right).



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using EGFR antibody High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.