

Anti-EGFR Mouse mAb

Purified Mouse Monoclonal Antibody

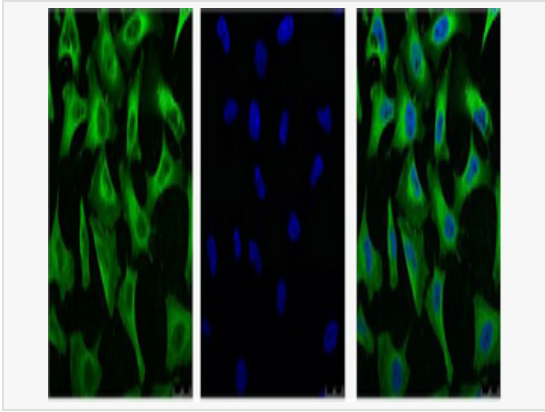
Catalog # M012550

Product Information

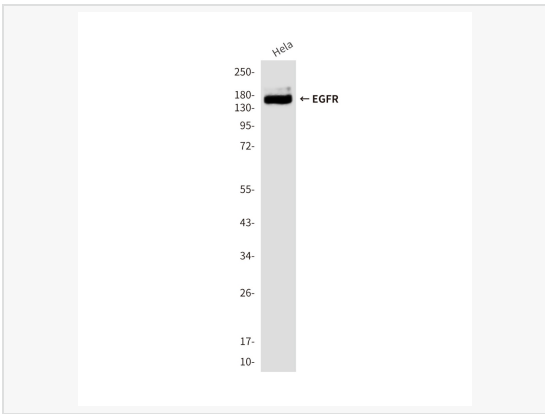
Application	WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), ICC/IF (Cell), ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200
Host	Mouse
Clonality	Monoclonal
Clone No.	75M96L67
Isotype	IgG1
Label	Unconjugated
Immunogen	Synthetic Peptide of EGFR
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-EGFR antibody [75M96L67] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

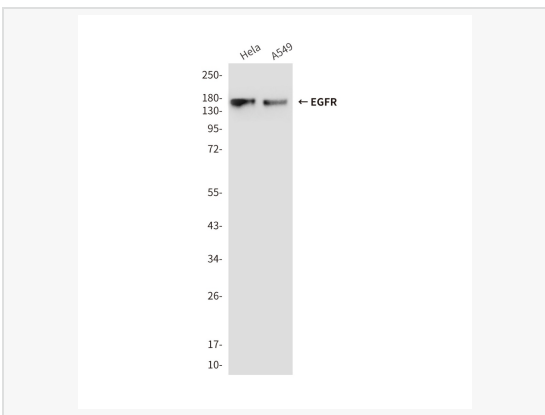
Synonyms	EGFR, ERBB, ERBB1, HER1, Epidermal growth factor receptor, Proto-oncogene c-ErbB-1, Receptor tyrosine-protein kinase erbB-1.
Calculated MW	Calculated MW: 134 kDa; Observed MW: 170 kDa
Uniprot ID	P00533
Gene ID	1956
Background	EGFR is a receptor tyrosine kinase. Receptor for epidermal growth 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.



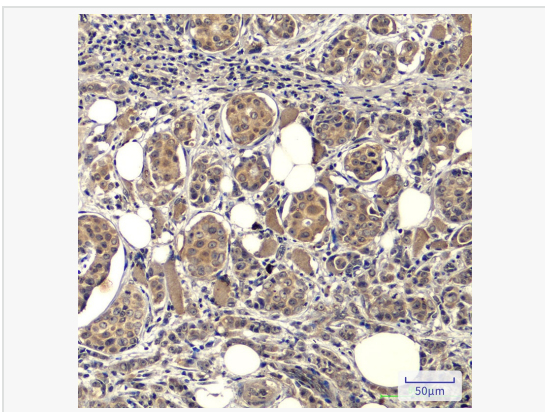
Immunofluorescence analysis of EGFR in HeLa using EGFR antibody [75M96L67] (Left) and DAPI (Right) .



Western blot analysis of EGFR in HeLa lysates using EGFR antibody [75M96L67].



Western blot analysis of EGFR in HeLa, A549 lysates using EGFR antibody [75M96L67].



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using EGFR antibody [75M96L67]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.