

Product Name: EGFR (3A9) Mouse Monoclonal Antibody
Catalog #: AMM03596



Summary

Production Name	EGFR (3A9) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC-F,IHC-P,ICC/IF
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	EGFR
Alternative Names	EGFR; ERBB; ERBB1; HER1; Epidermal growth factor receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1
Gene ID	1956
SwissProt ID	P00533.

Application

Dilution Ratio	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200
Molecular Weight	Calculated MW: 134 kDa; Observed MW: 170 kDa

Background

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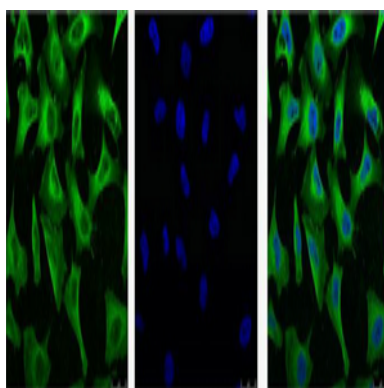


EGFR is a receptor tyrosine kinase. Receptor for epidermal growth factor (EGF) and related growth factors including TGF- α , amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. Is involved in the control of cell growth and differentiation. . A single-pass transmembrane tyrosine kinase. Ligand binding to this receptor results in receptor dimerization, autophosphorylation (in trans), activation of various downstream signaling molecules and lysosomal degradation.

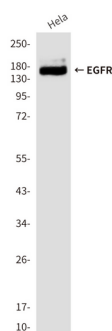
Research Area

Signal Transduction

Image Data

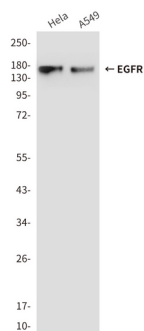


Immunofluorescence analysis of EGFR in HeLa using EGFR (3A9) antibody (Left) and DAPI (Right).

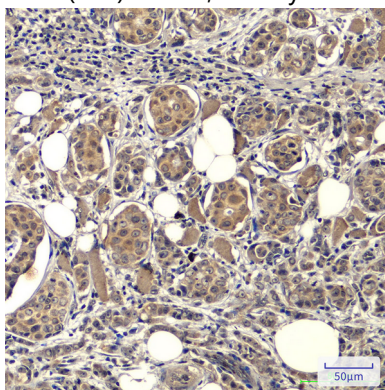


Western blot analysis of EGFR (3A9) in HeLa lysates using EGFR (3A9) antibody

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



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.

Note

For research use only.