

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

Summary

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

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG1 |
| Clonality | Monoclonal Antibody |
| 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 Purified |

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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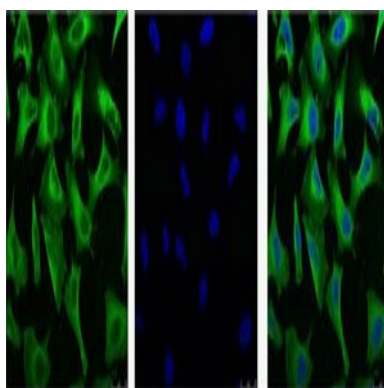


EGFR is a receptor tyrosine kinase. Receptor for epidermal growth factor (EGF) and related growth factors including TGF- α , amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. Is involved in the control of cell growth and differentiation. . A single-pass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

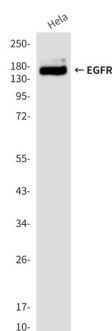
Research Area

Signal Transduction

Image Data

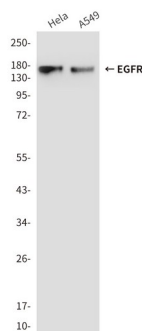


Immunofluorescence analysis of EGFR in HeLa using EGFR (3A9) antibody (Left) and DAPI (Right).

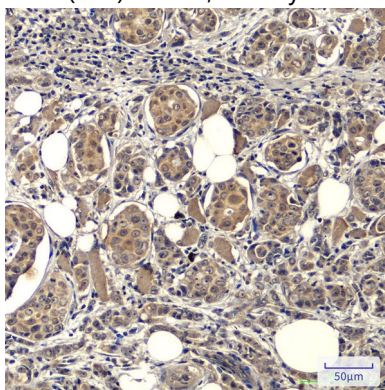


Western blot analysis of EGFR (3A9) in HeLa lysates using EGFR (3A9) antibody

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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.