

**Product Name: EGFR Mouse Monoclonal Antibody****Catalog #: AMM85064**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ICC,IP
<b>Reactivity</b>	Human,Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC 1:50-1:200,IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 134 kDa; Observed MW: 175 kDa

**Antigen Information**

<b>Gene Name</b>	EGFR
<b>Alternative Names</b>	EGFR; ERBB; ERBB1; HER1; Epidermal growth factor receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1
<b>Gene ID</b>	1956.0
<b>SwissProt ID</b>	P00533
<b>Immunogen</b>	Purified recombinant human EGFR protein fragments expressed in E.coli.

**Background**

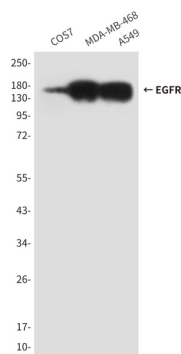
EGFR is a receptor tyrosine kinase. Receptor for epidermal growth factor (EGF) and related growth factors including TGF- $\alpha$ , amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. Is involved in the

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.

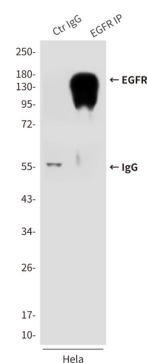
## Research Area

TGF-beta signaling pathway,PI3K-Akt signaling pathway,MAPK signaling pathway,Jak-STAT signaling pathway,Hippo signaling pathway

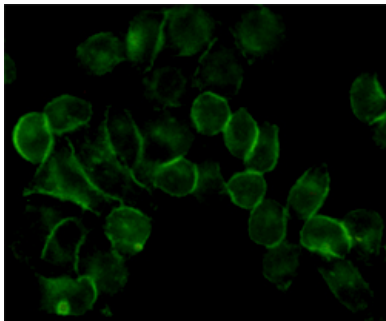
## Image Data



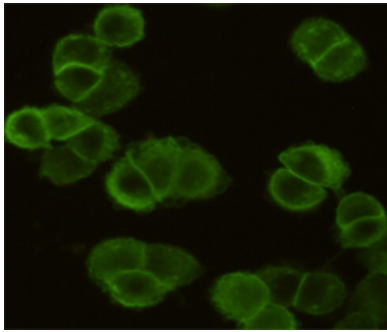
Western blot analysis of EGFR in A549, MDA-MB-468 and COS7 lysates using EGFR antibody.



Immunoprecipitation analysis of EGFR in HeLa lysates using EGFR antibody.



Immunocytochemistry analysis of EGFR in HeLa using EGFR antibody.



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