Product Name: **EGFR Mouse Monoclonal Antibody**
Catalog #: **AMM81265**
For research use only.

Summary

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

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	175kDa

Antigen Information

Gene Name	EGFR
Alternative Names	ERBB; HER1; mENA; ERBB1; PIG61
Gene ID	1956.0
SwissProt ID	P00533
Immunogen	Purified recombinant fragment of human EGFR (AA: 693-893) expressed in E. Coli.

Background

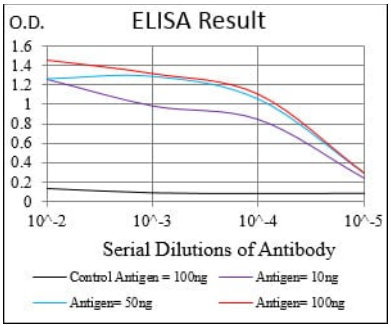
The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to

cell proliferation. Mutations in this gene are associated with lung cancer. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for this gene.

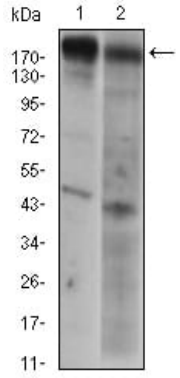
Research Area

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

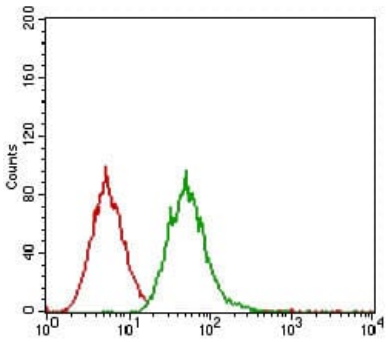
Image Data



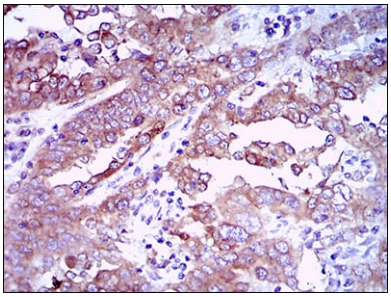
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



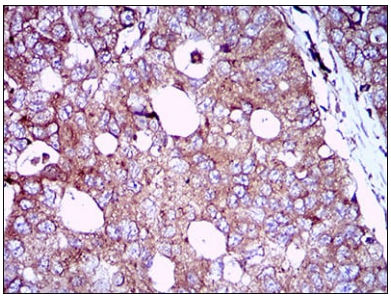
Western blot analysis using EGFR mouse mAb against A431 (1) AND Hela (2) cell lysate.



Flow cytometric analysis of A431 cells using EGFR mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissues using EGFR mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using EGFR mouse mAb with DAB staining.