Recombinant EGFR Monoclonal Antibody

catalog number: **E-AB-81439**

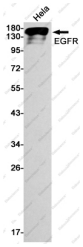
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	A synthetic peptide of human EGFR
Host	Rabbit
Isotype	Rabbit IgG
Clone	C273225
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications	Recommended Dilution
WB	1:1000-1:2000
IF	1:50-1:200

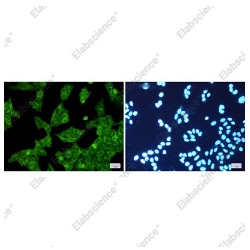
Data



Western blot detection of EGFR in Hela cell lysates using EGFR Rabbit mAb(1:1000 diluted).Predicted band size:134kDa.Observed band size:175kDa.

Observed-MW:175 kDa

Calculated-MW:134 kDa



Immunofluorescence of EGFR(green) in Hela cells using EGFR Rabbit mAb at dilution 1:200, and DAPI(blue)

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

EGFR,also named as ERBB1,is a cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. The gene resides on chromosome 7p12,encoding a 170 kDa membrane-associated glycoprotein. Recent studies have shown EGFR plays a critical role in cancer development and progression,including cell proliferation,apoptosis,angiogenesis,and metastatic spread. Mutations in this gene are associated with lung cancer.

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