Anti-Phospho-EGFR (Tyr1068) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R011449

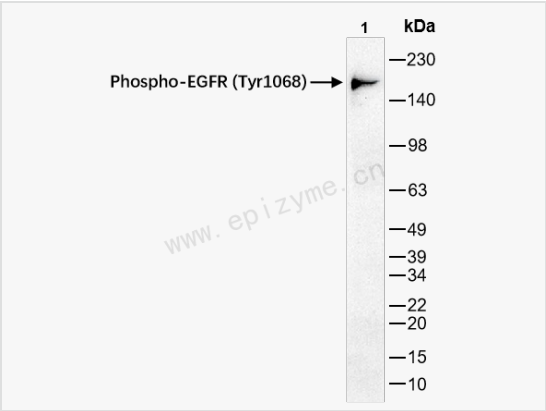
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	55L95L14
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Tyr1068 of human EGFR
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-EGFR (Tyr1068) Rabbit mAb [55L95L14] is for research use only and not for use in diagnostic or therapeutic procedures.

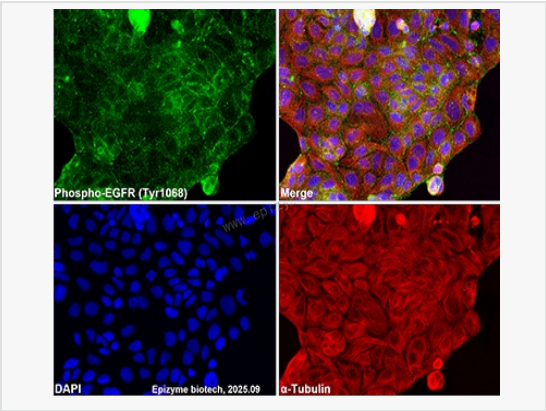
Protein Information

Synonyms	Avian erythroblastic leukemia viral(v erb b) oncogene homolog; Avian erythroblastic leukemia viral(verbb) oncogene homolog; Cell growth inhibiting protein 40; Cell proliferation inducing protein 61; EGF R; Epidermal growth factor receptor(avian erythroblastic leukemia viral(v erb b) oncogene homolog); Epidermal growth factor receptor(erythroblastic leukemia viral(v erb b) oncogene homolog avian); Epidermal growth factor receptor; erbb 1; Erbb; Erbb1; HER1; mENA; Oncogene ERBB; PIG61; Receptor tyrosine protein kinase ErbB 1; Receptor tyrosine protein kinase ErbB1; Urogastrone; wa2; Wa5; EGFR_HUMAN.
Calculated MW	Calculated MW: 134 kDa; Observed MW: 175 kDa
Uniprot ID	P00533
Gene ID	1956
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. [provided by RefSeq, Jun 2016]
Cellular Location	Cell membrane Single-pass type I membrane protein Endoplasmic reticulum membrane Single-pass type I membrane protein Golgi apparatus membrane Single-pass type I membrane protein Nucleus membrane Single-pass type I membrane protein Endosome Endosome membrane Nucleus In response to EGF, translocated from the cell membrane to the nucleus via Golgi and ER (PubMed:17909029, PubMed:20674546). Endocytosed upon activation by ligand (PubMed:17182860, PubMed:17909029, PubMed:27153536, PubMed:2790960). Colocalized with GPER1 in the nucleus of estrogen agonist-induced

Validation Images



Western Blot - Anti-Phospho-EGFR (Tyr1068) Rabbit mAb [55L95L14]
All lanes: R011449 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 134 kDa
Observed band size: 175 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Phospho-EGFR (Tyr1068) Rabbit mAb [55L95L14]
Sample: Caco-2 cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R011449 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).