Anti-Phospho-EGFR (Tyr1068) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015393

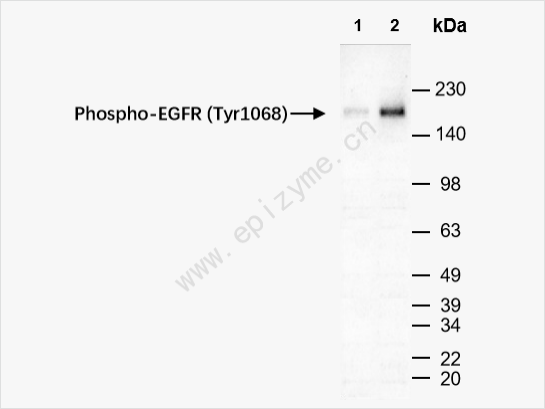
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:3,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	43D10R86
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 0.01% 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 [43D10R86] 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; Cell growth inhibiting protein 40; Cell proliferation inducing protein 61; EGF R; EGFR; EGFR_HUMAN; 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; erb-b2 receptor tyrosine kinase 1; ERBB; ERBB1; Errp; HER1; mENA; NISBD2; Oncogen ERBB; PIG61; Proto-oncogene c-ErbB-1; Receptor tyrosine protein kinase ErbB 1; Receptor tyrosine-protein kinase ErbB-1; SA7; Species antigen 7; Urogastrone; v-erb-b Avian erythroblastic leukemia viral oncogen homolog; wa2; Wa5.
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	Secreted and Cell membrane. Endoplasmic reticulum membrane. Golgi apparatus membrane. Nucleus membrane. Endosome. Endosome membrane. Nucleus. In response to EGF, translocated from the cell membrane to the nucleus via Golgi and ER. Endocytosed upon activation by ligand. Colocalized with GPER1 in the nucleus of estrogen agonist-induced cancer-associated fibroblasts (CAF).

Validation Images



Western Blot - Anti-Phospho-EGFR (Tyr1068) Rabbit mAb [43D10R86]
All lanes: R015393 at 1:3,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: A431 (Human epidermoid teratoma cell line) 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).