

Anti-Phospho-EGF Receptor (Tyr1045) Antibody (3A670)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3A670
Purification:	Protein A

Applications

Verified Activity:	Western blot analysis of extracts from serum-starved Hela, untreated (-) or treated with EGF (100 ng/mL, 10min) using Phospho-EGF Receptor (Tyr1045) rabbit monoclonal Antibody at 1:1000 dilution (upper) or anti-EGFR antibody (lower).
Application:	WB
Recommended	WB: 1:1000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: residues around Tyr1045 of the Human Phospho-EGF Receptor
Antigen Species:	Human
Synonyms:	NISBD2;ERRP;ERBB-1;ERBB1;PIG61;p-EGF Receptor (Y1045);Phospho-EGF Receptor (Y1045);p-EGF Receptor (Tyr1045);ERBB;EGF Receptor (p-Y1045);EGF Receptor (p-Tyr1045);HER1;mENA;HER-1
Biology Area:	Cancer Drug Targets, Receptor Tyrosine Kinases (RTKs)

Research Background

As a member of the epidermal growth factor receptor (EGFR) family, EGFR protein is type I transmembrane glycoprotein that binds a subset of EGF family ligands including EGF, amphiregulin, TGF- α , betacellulin, etc. EGFR protein plays a crucial role in signaling pathway in the regulation of cell proliferation, survival and differentiation. Binding of a ligand induces EGFR protein homo- or heterodimerization, the subsequent tyrosine autophosphorylation and initiates various down stream pathways (MAPK, PI3K/PKB and STAT). In addition, EGFR signaling also has been shown to exert action on carcinogenesis and disease progression, and thus EGFR protein is proposed as a target for cancer therapy currently. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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