

## Anti-Phospho-EGF Receptor (Tyr1148) Antibody (4L384)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human; Species predicted to react based on 100% sequence homology: Mouse
Conjugation:	Unconjugated
Clone:	4L384
Purification:	Protein A

## Applications

Verified Activity:	Western blot analysis of extracts from serum-starved Hela, untreated (-) or treated with EGF (10 ng/mL, 10min) using Phospho-EGF Receptor (Tyr1148) rabbit monoclonal Antibody at 1:1000 dilution (upper), Anti-EGFR Antibody at 1:1000 dilution (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 Tyr1148 of the Human Phospho-EGF Receptor
Antigen Species:	Human
Synonyms:	p-EGF Receptor (Tyr1148);HER1;ERBB;ERBB-1;ERBB1;p-EGF Receptor (Y1148);mENA;Phospho-EGF Receptor (Y1148);HER-1;NISBD2;EGF Receptor (p-Tyr1148);ERRP;EGF Receptor (p-Y1148);PIG61
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- $\alpha$ , 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

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