

## Anti-Phospho-EGF Receptor (Thr669) Antibody (8Z529)

## Product Details

Ig Type:	Rabbit IgG Human;
Reactivity:	Predicted to React with:Species predicted to react based on 100% sequence homology: Mouse, Cynomolgus
Conjugation:	Unconjugated
Clone:	8Z529
Purification:	Protein A

## Applications

Verified Activity:	1. Western blot analysis of extracts from serum-starved Hela, untreated(line A) or treated with EGF (100ng/mL, 10min; +)(line B), using Phospho-EGF Receptor (Thr669) rabbit monoclonal Antibody at 1:2000 dilution (upper) or Anti-EGF Receptor Antibody, Rabbit Polyclonal at 1:1000 dilution (lower). 2. Western blot analysis of extracts from serum-starved Hela, untreated (line A); treated with EGF (100ng/mL, 10min), without peptide (line B) or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-EGF Receptor (Thr669) rabbit monoclonal Antibody at 1:2000 dilution. (Validation Experiment)
Application:	WB
Recommended	WB: 1:2000-1:20000

## 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 (Thr669) of Human EGF Receptor
Antigen Species:	Human
Synonyms:	HER-1;EGF Receptor (pT669);PIG61;ERRP;Phospho-EGF Receptor (T669);p-EGF Receptor (Thr669);ERBB-1;EGF Receptor (pThr669);ERBB;NISBD2;HER1;mENA;p-EGF Receptor (T669);ERBB1
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

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481