

Phospho-EGFR-T678 Rabbit pAb

Catalog No.: AP1114

Basic Information

Observed MW

180kDa

Calculated MW

134kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse

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, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2).

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

1956

Swiss Prot

P00533

Immunogen

A synthetic phosphorylated peptide around T678 of human EGFR (NP_005219.2).

Synonyms

ERBB; ERRP; HER1; mENA; ERBB1; PIG61; NISBD2; Phospho-EGFR-T678

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

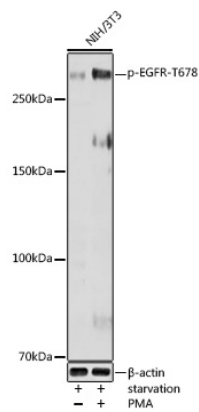
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-EGFR-T678 Rabbit pAb (AP1114) at 1:1000 dilution. NIH/3T3 cells were treated by PMA/TPA (200 nM) at 37°C for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 60s.