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Phospho-EGFR-Y1068 Rabbit pAb

Catalog No.: AP0301

14 Publications

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Basic Information

Observed MW
185kDa

Calculated MW
134kDa

Category
Polyclonal Antibodies

Applications
WB, IP, ELISA

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 1:1000 - 1:5000

IP
0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1956

Swiss-Prot
P00533

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
ERBB; ERRP; HER1; mENA; ERBB1; PIG61; NISBD2; Phospho-EGFR-Y1068

Contact

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Product Information

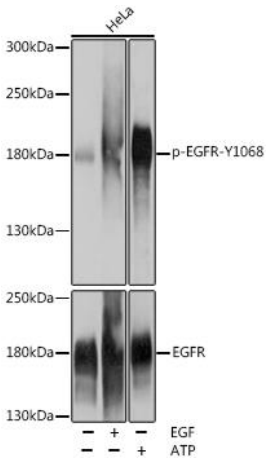
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at -20℃
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

Validation Data



Western blot analysis of lysates from HeLa cells using Phospho-EGFR-Y1068 Rabbit pAb (AP0301) incubated overnight at 4℃. HeLa cells were treated with EGF (100 ng /mL) at 37℃ for 30 minutes or treated with ATP(5 mM) at 30℃ for 1 hour after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.

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