AP0025

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Phospho-EGFR-T669 Rabbit pAb

Catalog No.: AP0025

Basic Information

Observed MW
200kDa

Calculated MW
134kDa

Category
Mouse Monoclonal Antibody

Applications
WB,IP,ELISA

Cross-Reactivity
Human

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 - 1:2000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

Immunogen Information

Gene ID
1956

Swiss Prot
P00533

Immunogen
A synthetic phosphorylated peptide around T669 of human EGFR (NP_005219.2).

Synonyms
ERBB; ERRP; HER1; mENA; ERBB1; PIG61; NISBD2; Phospho-EGFR-T669

Contact

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Product Information

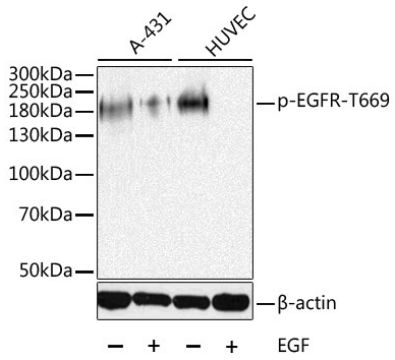
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from A-431 and HUVEC cells, using Phospho-EGFR-T669 Rabbit pAb (AP0025) at 1:1000 dilution. A431 cells were treated by EGF (100ng/mL) for 30 minutes after serum-starvation overnight. HUVEC cells were treated by EGF.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

Immunoprecipitation analysis of 200 µg extracts of A-431 cells, using 3 µg Phospho-EGFR-T669 pAb (AP0025). Western blot was performed from the immunoprecipitate using Phospho-EGFR-T669 pAb (AP0025) at a dilution of 1:1000. A-431 cells were treated by EGF (100 ng/mL) at 37℃ for 30 minutes after serum-starvation overnight.