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Phospho-EGFR-Y845 Rabbit pAb

Catalog No.: AP0023 2 Publications

Basic Information

Observed MW
200kDa

Calculated MW
134kDa

Category
Primary antibody

Applications
ELISA,WB

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

Immunogen Information

Gene ID
1956

Swiss Prot
P00533

Immunogen
A synthetic phosphorylated peptide around Y845 of human EGFR (NP_005219.2).

Synonyms
ERBB; ERRP; HER1; mENA; ERBB1; PIG61; NISBD2; Phospho-EGFR-Y845

Contact

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Product Information

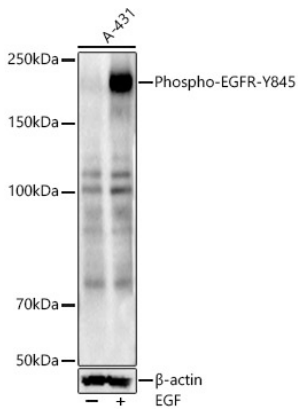
Source
Rabbit

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 A-431, using Phospho-EGFR-Y845 Rabbit pAb (AP0023) at 1:2000 dilution.A-431 cells were treated by EGF (100 ng/ml) at 37℃ 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: 45s.