

# Phospho-EGFR-Y845 Rabbit mAb

Catalog No.: AP1425 **Recombinant**

## Basic Information

**Observed MW**

200kDa

**Calculated MW**

134kDa

**Category**

Primary antibody

**Applications**

WB,ELISA

**Cross-Reactivity**

Human

**CloneNo number**

ARC3122

## 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**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**

A phospho synthetic peptide corresponding to residues surrounding Y845 of Human EGFR.

**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

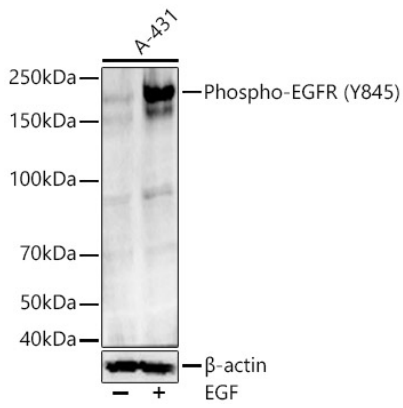
**Storage**

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

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of lysates from A-431 cells, using Phospho-EGFR-Y845 (AP1425) at 1:800 dilution. A-431 cells were treated by EGF (200 ng/ml) at 37°C for 30 minutes. Secondary antibody: HRP-conjugated 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 Basic Kit (RM00020). Exposure time: 180s.