ABclonal Technology®

Phospho-EGFR-Y1173 Rabbit mAb

Catalog No.: AP0992   `Recombinant`   `2 Publications`

Basic Information

Observed MW
175kDa

Calculated MW
134kDa

Category
Primary antibody

Applications
ELISA,WB

Cross-Reactivity
Human

CloneNo number
ARC1536

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 phospho specific peptide corresponding to residues surrounding Y1173 of human EGFR

Synonyms
ERBB; ERRP; HER1; mENA; ERBB1; PIG61; NISBD2; Phospho-EGFR-Y1173

Contact

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Product Information

Source
Rabbit

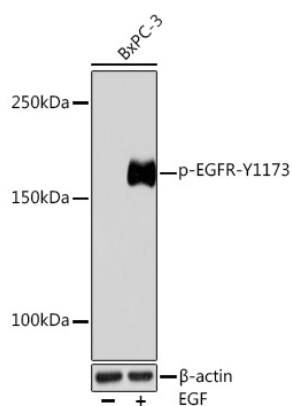**Isotype**
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of extracts of BxPC-3 cells, using Phospho-EGFR-Y1173 Rabbit mAb (AP0992) at 1:1000 dilution.BxPC-3 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% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3min.