Phospho-EGFR-Y1197 Rabbit pAb

Catalog NO.: AP0223

Basic Information

Observed MW
170kDa

Calculated MW
134kDa

Category
Phosphorylated Antibodies

Applications
WB

Cross-Reactivity
Human

Conjugation
Unconjugated

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

Synonyms
ERBB; ERRP; HER1; mENA; ERBB1; PIG61; NISBD2; Phospho-EGFR-Y1197

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

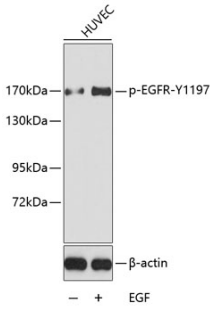
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from HUVEC cells, using Phospho-EGFR-Y1197 Rabbit pAb (AP0223).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.

For research use only. Not for therapeutic or diagnostic purposes.

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