

**Product Name: KD-Validated Phospho-EGFR (Tyr1068) Recombinant Rabbit Monoclonal Antibody**

**Catalog #: KVA01284**

For research use only.

## Summary

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Rabbit                                                                      |
| <b>Application</b>  | WB,FCM                                                                      |
| <b>Reactivity</b>   | Human                                                                       |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Rabbit IgG                                                                  |
| <b>Clonality</b>    | Rabbit mAb                                                                  |
| <b>Form</b>         | Liquid                                                                      |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>     | Ice bags                                                                    |
| <b>Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Purification</b> | Affinity purification                                                       |

## Application

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:1,000-1:5,000; FC 1:200-1:2,000 |
| <b>Molecular Weight</b> | Calculated MW: 134.3kDa              |

## Antigen Information

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | EGFR<br>EGFR; Epidermal Growth Factor Receptor; ERBB1; ERBB; Receptor Tyrosine-Protein Kinase ErbB-1; Erb-B2 Receptor Tyrosine Kinase 1; Proto-Oncogene C-ErbB-1; EC 2.7.10.1; HER1; Epidermal Growth Factor Receptor (Avian Erythroblastic Leukemia Viral (V-Erb-B) Oncogene Homolog); Erythroblastic Leukemia Viral (V-Erb-B) Oncogene Homolog (Avian); Avian Erythroblastic Leukemia Viral (V-Erb-B) Oncogene Homolog; Epidermal Growth Factor Receptor Tyrosine Kinase Domain; Cell Proliferation-Inducing Protein 61; Cell Growth Inhibiting Protein 40; EGFR VIII; EC 2.7.10; NISBD2; PIG61; MENA |
| <b>Alternative Names</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene ID</b>           | 1956.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>SwissProt ID</b>      | P00533                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Immunogen

A synthesized peptide derived from human Phospho-EGFR (Tyr1068)

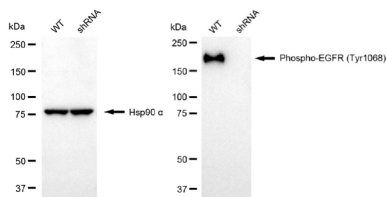
## Background

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). [provided by RefSeq, Jul 2020]

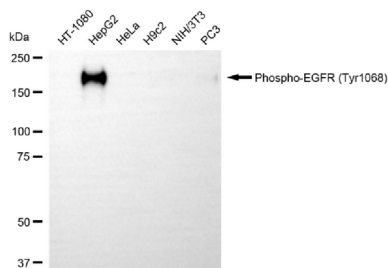
## Research Area

Signal Transduction, Cell Biology, Microbiology, Cancer, Neuroscience

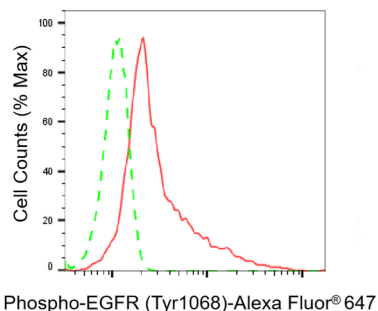
## Image Data



Western blotting analysis using phospho-EGFR (Tyr1068) antibody (KVA01284). Phospho-EGFR (Tyr1068) expression in wild-type (WT) and EGFR shRNA knockdown (KD) HepG2 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-EGFR (Tyr1068) antibody (KVA01284, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using phospho-EGFR (Tyr1068) antibody (KVA01284). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phospho-EGFR (Tyr1068) antibody (KVA01284, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Phospho-EGFR (Tyr1068) expression in HepG2 cells using Phospho-EGFR (Tyr1068) antibody (KVA01284, 1:2,000). Green, isotype control; red, Phospho-EGFR (Tyr1068).