

## Rabbit EGFR Polyclonal Antibody | anti-EGFR antibody

Anti-EGFR (pT693) Phospho Antibody

|                               |                       |                                                                         |                                                                                                    |
|-------------------------------|-----------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA259715</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat, Bovine, Chicken, Pig, Zebrafish</b> | APPLICATIONS<br><b>Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

EGFR; Polyclonal Antibody; Anti-EGFR (pT693) Phospho Antibody; ERBB; ERBB1; HER1; Epidermal growth factor receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1; anti-EGFR antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                              |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                       |
| Reactivity                                     | Human, Mouse, Rat, Bovine, Chicken, Pig, Zebrafish                                                                                           |
| Clonality                                      | Polyclonal                                                                                                                                   |
| Specificity                                    | Recognizes endogenous levels of EGFR protein only when phosphorylated at T693.                                                               |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                                              |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                    |
| Sequence Length                                | 1210                                                                                                                                         |
| Applicable Applications for anti-EGFR antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                            |
| Immunogen                                      | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding T693 of human EGFR protein. The exact sequence is proprietary. |
| Entrez Gene                                    | 1956 (Human); 13649 (Mouse)                                                                                                                  |
| SwissProt                                      | P00533 (Human); Q01279 (Mouse)                                                                                                               |
| Preparation and Storage                        | Upon receipt aliquot and store at -20°C. Avoid freeze/thaw cycles.                                                                           |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of EGFR (Phospho-T693) staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of EGFR (Phospho-T693) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of EGFR (Phospho-T693) expression in HEK293T UV-treated (A) whole cell lysates. (Predicted band size: 134 kD; Observed band size: 175 kD)

### ADDITIONAL INFORMATION

|                                                    |                                                   |
|----------------------------------------------------|---------------------------------------------------|
| Related Product Information for anti-EGFR antibody | Rabbit polyclonal antibody to EGFR (Phospho-T693) |
|----------------------------------------------------|---------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 29725609                                                                                       |
| NCBI GeneID                      | 1956                                                                                           |
| NCBI Accession #                 | NP_005219.2                                                                                    |
| NCBI GenBank Nucleotide #        | NM_005228.3                                                                                    |
| UniProt Accession #              | P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7 |
| NCBI Official Full Name          | epidermal growth factor receptor isoform a                                                     |
| NCBI Official Synonym Full Names | epidermal growth factor receptor                                                               |
| NCBI Official Symbol             | EGFR                                                                                           |
| NCBI Official Synonym Symbols    | ERBB; HER1; mENA; ERBB1; PIG61; NISBD2                                                         |
| NCBI Protein Information         | epidermal growth factor receptor                                                               |
| UniProt Protein Name             | Epidermal growth factor receptor                                                               |
| UniProt Gene Name                | EGFR                                                                                           |
| UniProt Synonym Gene Names       | ERBB; ERBB1; HER1                                                                              |
| UniProt Entry Name               | EGFR_HUMAN                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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