

## Rabbit anti-Human, Mouse EGFR Polyclonal Antibody | anti-EGFR antibody

Anti-EGFR Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                                |
|-----------|--------|--------------|-----------------------------------------------------------------------------|
| AAA263789 | Rabbit | Human, Mouse | Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

EGFR; Polyclonal Antibody; Anti-EGFR 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                                                                                              |
| Clonality                                      | Polyclonal                                                                                                |
| Specificity                                    | Recognizes endogenous levels of EGFR protein.                                                             |
| Purity/Purification                            | 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 peptide encompassing a sequence within the center region of human EGFR.          |
| Preparation and Storage                        | Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                   |

### IMAGES



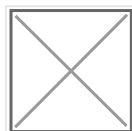
#### IF (Immunofluorescence)

Immunofluorescent analysis of EGFR staining in A549 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 Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of EGFR 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 expression in MCF7 (A), A549 (B) whole cell lysates.

ADDITIONAL INFORMATION

|                                                    |                                    |
|----------------------------------------------------|------------------------------------|
| Related Product Information for anti-EGFR antibody | Rabbit polyclonal antibody to EGFR |
|----------------------------------------------------|------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 29725609                                                                                       |
| NCBI GeneID                      | 1956                                                                                           |
| NCBI Accession #                 | NP_005219.2                                                                                    |
| NCBI GenBank Nucleotide #        | NM_005228.4                                                                                    |
| UniProt Accession #              | P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7 |
| Molecular Weight                 | 44,664 Da                                                                                      |
| 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                                                                              |

**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.