

## Mouse anti-Human EGFR (Epidermal Growth Factor Receptor) Monoclonal Antibody | anti-EGFR antibody

EGFR (Epidermal Growth Factor Receptor) Mouse Monoclonal Antibody [Clone EGFR/4575]

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                       |
|-----------|-------|------------|------------------------------------|
| AAA215606 | Mouse | Human      | Immunohistochemistry, Western Blot |

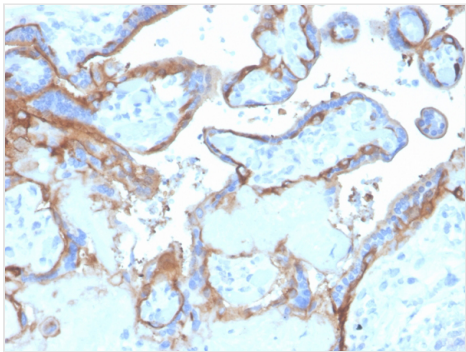
### PRODUCT SYNONYMS

EGFR (Epidermal Growth Factor Receptor); Monoclonal Antibody; EGFR (Epidermal Growth Factor Receptor) Mouse Monoclonal Antibody [Clone EGFR/4575]; Erbb1; ERBB1; Errp; HER1; mENA; PIG61; Proto-oncogene c-ErbB-1; Receptor Tyrosine Protein Kinase; ErbB1; Urogastrone; wa2; Wa5; anti-EGFR antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                             |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                       |
| Clonality                                      | Monoclonal                                                                                                                                                                  |
| Isotype                                        | Mouse/IgG1, kappa                                                                                                                                                           |
| Clone Number                                   | EGFR/4575                                                                                                                                                                   |
| Form/Format                                    | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1mg/ml.        |
| Concentration                                  | Purified Ab with BSA and Azide at 200ug/ml<br>OR<br>Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)                                                           |
| Applicable Applications for anti-EGFR antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                               |
| Immunogen                                      | Synthetic peptide between aa1163-1191 from the C-terminal region of human EGFR                                                                                              |
| Cellular Localization                          | Cell Surface                                                                                                                                                                |
| Positive Control                               | A431 cells. Placenta, breast, colon or bladder cancer (IHC).                                                                                                                |
| Hu-chromosome Location                         | 7p11.2                                                                                                                                                                      |
| Unigene                                        | 488293                                                                                                                                                                      |
| Preparation and Storage                        | Antibody with azide: store at 2 to 8 degree C<br>Antibody without azide: store at -20 to -80 degree C<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required. |

IMAGES



IHC (Immunohistochemistry)  
Formalin-fixed, paraffin-embedded human placenta stained with EGFR Mouse Monoclonal Antibody (EGFR/4575).

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-EGFR antibody | This MAb recognizes a protein of 170kDa, identified as EGFR. EGFR is type I receptor tyrosine kinase with sequence homology to erbB-1, -2, -3 -4 or HER-1, -2, -3 -4. It binds to Epidermal Growth Factor (EGF), Transforming Growth Factor- $\alpha$ (TGF- $\alpha$ ), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin and epiregulin. EGFR is overexpressed in tumors of breast, brain, bladder, lung, gastric, head & neck, esophagus, cervix, vulva, ovary, and endometrium. It is predominantly present in squamous cell carcinomas. |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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                                                                                                                                                |
| Molecular Weight                 | 134,277 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                                                                                                                                                                                                                |
| NCBI Protein Information         | epidermal growth factor receptor; proto-oncogene c-ErbB-1; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog |
| 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.