# Mouse anti-Human Her2/ERBB2 Monoclonal Antibody | anti-ERBB2 antibody

Anti-Her2/ERBB2 Antibody, Mouse Monoclonal

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA254124** | **Mouse** | **Human** | **Immunohistochemistry** |

## PRODUCT SYNONYMS

Her2/ERBB2; Monoclonal Antibody; Anti-Her2/ERBB2 Antibody; Mouse Monoclonal; HER2/ERBB2 Antibody; Mouse MAb; erb-b2 receptor tyrosine kinase 2; Anti-CD340 Antibody; Anti-ENV Antibody; Anti-ENVW Antibody; Anti-ERVWE1 Antibody; Anti-HER-2 Antibody; Anti-HER-2/neu Antibody; Anti-HER2 Antibody; Anti-HERV-7q Antibody; Anti-HERV-W-ENV Antibody; Anti-HERV7Q Antibody; Anti-HERVW Antibody; Anti-HERVWENV Antibody; Anti-MLN 19 Antibody; Anti-MLN19 Antibody; Anti-NEU Antibody; Anti-NGL Antibody; Anti-TKR1 Antibody; anti-ERBB2 antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Mouse |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | Mouse IgG2b |
| **Clone Number** | 40 |
| **Specificity** | Human HER2/ERBB2 |
| **Purity/Purification** | Protein A |
| **Form/Format** | Liquid; 0.2um filtered solution in PBS |
| **Applicable Applications for anti-ERBB2 antibody** | IHC (Immunohistochemistry) |
| **Immunogen** | Recombinant Human HER2/ERBB2 Protein |
| **Conjugation** | Unconjugated |
| **Preparation** | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human HER2/ERBB2 (rh HER2/ERBB2). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| **Preparation and Storage** | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

## IMAGES

**IHC (Immunohistochemisry)**
Immunochemical staining of human ERBB2 in human placenta with mouse monoclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

**IHC (Immunohiostchemistry)**
Immunochemical staining of human ERBB2 in human breast with mouse monoclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

**IHC (Immunohistochemistry)**
Immunochemical staining of human ERBB2 in human breast carcinoma with mouse monoclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-ERBB2 antibody** | Human epidermal growth factor receptor 2 (HER2), also known as ErbB2, NEU, and CD340, is a type I membrane glycoprotein and belongs to the epidermal growth factor (EGF) receptor family. HER2 protein cannot bind growth factors due to the lacking of ligand binding domain of its own and autoinhibited constitutively. However, HER2 forms a heterodimer with other ligand-bound EGF receptor family members, therefore stabilizes ligand binding and enhances kinase-mediated activation of downstream molecules. HER2 plays a key role in development, cell proliferation and differentiation. HER2 gene has been reported to associate with malignancy and a poor prognosis in numerous carcinomas, including breast, prostate, ovarian, lung cancers and so on. |
| **Product Categories/Family for anti-ERBB2 antibody** | Cancer Drug Targets Receptor Tyrosine Kinases (RTKs) |
| **References** | Krawczyk N, et al. (2009) HER2 status on persistent disseminated tumor cells after adjuvant therapy may differ from initial HER2 status on primary tumor. Anticancer Res. 29(10): 4019-24. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 54792096 |
| **NCBI GeneID** | 2064 |
| **NCBI Accession #** | NP_004439.2 |
| **NCBI GenBank Nucleotide #** | NM_004448.3 |
| **UniProt Accession #** | P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3; X5D2V5 |
| **Molecular Weight** | 97,253 Da |
| **NCBI Official Full Name** | receptor tyrosine-protein kinase erbB-2 isoform a |
| **NCBI Official Synonym Full Names** | erb-b2 receptor tyrosine kinase 2 |
| **NCBI Official Symbol** | ERBB2 |
| **NCBI Official Synonym Symbols** | NEU; NGL; HER2; TKR1; CD340; HER-2; MLN 19; HER-2/neu |
| **NCBI Protein Information** | receptor tyrosine-protein kinase erbB-2; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-oncogene c-ErbB-2; metastatic lymph node gene 19 protein; human epidermal growth factor receptor 2; neuro/glioblastoma derived oncogene homolog; |
| **UniProt Protein Name** | Receptor tyrosine-protein kinase erbB-2 |
| **UniProt Gene Name** | **ERBB2** |
| **UniProt Synonym Gene Names** | HER2; MLN19; NEU; NGL; MLN 19 |
| **UniProt Entry Name** | ERBB2_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.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/her2-erbb2-antibody-clone-40-immunohistochemistry-elisa/254124