

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

Anti-Her2/ERBB2 Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254123	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

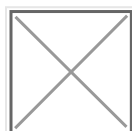
PRODUCT SYNONYMS

Her2/ERBB2; Monoclonal Antibody; Anti-Her2/ERBB2 Antibody; Mouse Monoclonal; HER2/ErbB2/CD340 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

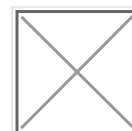
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	03
Specificity	Human HER2/ErbB2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ERBB2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
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



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of anti-Human ErbB2 on MCF-7 cells.



IF (Immunofluorescence)
Immunofluorescence staining of Human ERBB2 in MCF7 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with mouse anti-Human ERBB2 monoclonal antibody (1:60) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-mouse IgG secondary antibody(green). Positive staining was localized to cell membrane.

ADDITIONAL INFORMATION

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

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-03-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/254123>