

## Mouse anti-Human. HER-2 Monoclonal Antibody | anti-ERBB2 antibody

HER-2

|                              |                      |                             |                                                           |
|------------------------------|----------------------|-----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA62563</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human.</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|----------------------|-----------------------------|-----------------------------------------------------------|

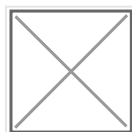
### PRODUCT SYNONYMS

HER-2; Monoclonal Antibody; p185; CD340; Verb b2 Erythroblastic Leukemia Viral Oncogene Homolog 2; Neuro/Glioblastoma Derived Oncogene Homolog; anti-ERBB2 antibody

### PRODUCT SPECIFICATIONS

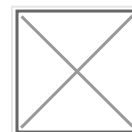
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|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reactivity                                      | Human.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype                                         | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Clone Number                                    | HRB2/451                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Specificity                                     | This MAb is specific to c-erbB-2/HER-2 and shows minimal cross-reaction with other members of the family. C-erbB-2/HER-2 is a member of the EGFR family. Receptors of this family are located on the plasma membrane and consist of an extracellular ligand-binding domain that is connected to a large intracellular domain by a single transmembrane sequence. c-erbB-2/HER-2 protein is over-expressed in a variety of carcinomas especially those of breast and ovary. |
| 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 1.0mg/ml.                                                                                                                                                                                                                                                                                                     |
| Sequence Length                                 | 1225                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Applicable Applications for anti-ERBB2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Localization                                    | Cell surface                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Positive Control                                | SKBR-3 Cells or Breast Cancers.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Human Chromosomal Location                      | 17q12                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Immunogen                                       | Recombinant human HER-2 protein                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Quantity and Buffer                             | 0.5 ml at 200ug/ml with BSA and azide                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                         | Store at 2 to 8 degree C. Antibody is stable for 24 months.                                                                                                                                                                                                                                                                                                                                                                                                                |

### IMAGES



#### Application Data

Formalin-paraffin breast DCIS (ductal carcinoma in situ) stained with HER-2 Ab (HRB2/451).



#### Application Data

Formalin-paraffin breast invasive carcinoma stained with HER-2 Ab (HRB2/451).

ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | 1. Utrilla JC, et al. Histopathology. 34: 60-65 (1999).<br>2. Wright C, et al. British Journal of Cancer. 65: 118-121 (1992).<br>3. Corbett IP, et al. Journal of Pathology. 161: 15-25 (1990). |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 54792098                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 2064                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NCBI Accession #                 | NP_001005862.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001005862.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UniProt Accession #              | P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3; X5D2V5                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Molecular Weight                 | 185kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NCBI Official Full Name          | receptor tyrosine-protein kinase erbB-2 isoform b                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Full Names | v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 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; neuro/glioblastoma derived oncogene homolog; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived oncogene homolog; v-erb-b2 avian erythroblastic leukemia viral oncoprotein 2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/her-2-antibody-clone-hrb2-451-immunohistochemistry-western-blot-elisa/62563>