

## Rabbit anti-Human HER2 Polyclonal Antibody | anti-HER2 antibody

Anti-HER2 Antibody

|                               |                       |                            |                                                         |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA265056</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

HER2; Polyclonal Antibody; Anti-HER2 Antibody; anti-HER2 antibody

### PRODUCT SPECIFICATIONS

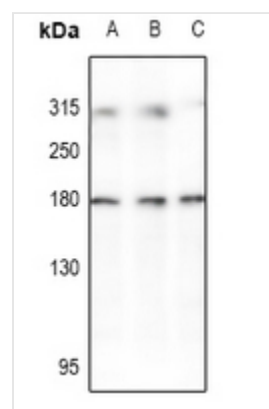
|                                                |                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                              |
| Reactivity                                     | Human                                                                                                                               |
| Clonality                                      | Polyclonal                                                                                                                          |
| Specificity                                    | Recognizes endogenous levels of HER2 protein.                                                                                       |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                                     |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.                            |
| Applicable Applications for anti-HER2 antibody | IC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                |
| Immunogen                                      | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human HER2. The exact sequence is proprietary. |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                      |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of HER2 staining in HeLa 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 a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### WB (Western Blot)

Western blot analysis of HER2 expression in MCF7 (A), EC9706 (B), HCT116 (C) whole cell lysates. (Predicted band size: 137 kD; Observed band size: 185 kD)

ADDITIONAL INFORMATION

|                                                    |                                    |
|----------------------------------------------------|------------------------------------|
| Related Product Information for anti-HER2 antibody | Rabbit polyclonal antibody to HER2 |
| Product Categories/Family for anti-HER2 antibody   | Primary Antibodies                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 54792098                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 2064                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_001005862.1                                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001005862.1                                                                                                                                                                                                                                                  |
| UniProt Accession #              | P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3                                                                                                                                                                                                                  |
| Molecular Weight                 | 137,910 Da                                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | receptor tyrosine-protein kinase erbB-2 isoform b                                                                                                                                                                                                               |
| NCBI Official Synonym Full Names | v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)                                                                                                                                                  |
| 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; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived on |
| 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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