

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

HER2 (Phospho-Tyr1221/Tyr1222) Antibody

|                               |                       |                            |                                                         |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA303422</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------------------|

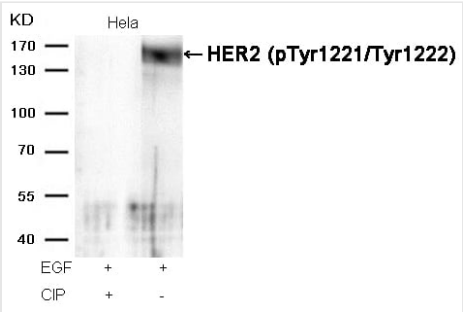
### PRODUCT SYNONYMS

HER2; Polyclonal Antibody; HER2 (Phospho-Tyr1221/Tyr1222) Antibody; C-erbB-2; ErbB2; anti-HER2 antibody

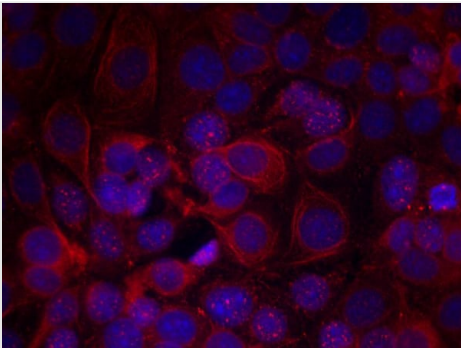
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                  |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                           |
| Reactivity                                     | Human                                                                                                                                                                                                                                                            |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                       |
| Specificity                                    | The antibody detects endogenous level of HER2 only when phosphorylated at tyrosine1221/tyrosine1222.                                                                                                                                                             |
| Purity/Purification                            | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using |
| Form/Format                                    | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                     |
| Concentration                                  | 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                        |
| Sequence Length                                | 1225                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-HER2 antibody | IF (Immunofluorescence), WB (Western Blot)                                                                                                                                                                                                                       |
| Immunogen Type                                 | Peptide-KLH                                                                                                                                                                                                                                                      |
| Immunogen Description                          | Peptide sequence around phosphorylation site of tyrosine1221/1222 (N-L-Y(p)-Y(p)-W) derived from Human HER2.                                                                                                                                                     |
| Modification                                   | Phospho-Tyr1221/Tyr1222                                                                                                                                                                                                                                          |
| Target Name                                    | HER2                                                                                                                                                                                                                                                             |
| Preparation and Storage                        | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.                                                                                                                                                          |

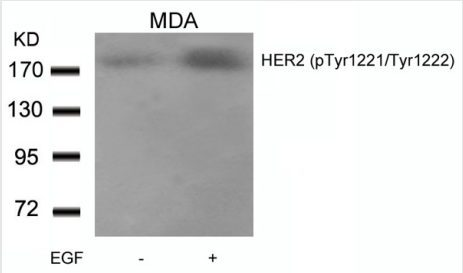
IMAGES



**WB (Western Blot)**  
Western blot analysis of extracts from HeLa cells, treated with EGF or calf intestinal phosphatase (CIP), using HER2 (Phospho-Tyr1221/Tyr1222) Antibody.



**IF (Immunofluorescence)**  
Immunofluorescence staining of methanol-fixed MCF cells using HER2(Phospho-Tyr1221/Tyr1222) Antibody.



**WB (Western Blot)**  
Western blot analysis of extracts from MDA cells untreated or treated with EGF using HER2(Phospho-Tyr1221/Tyr1222) Antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                               |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HER2 antibody | Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Not activated by EGF, TGF- $\alpha$ and amphiregulin. |
| Product Categories/Family for anti-HER2 antibody   | Phospho-specific Ab                                                                                                                                                                                           |

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                 | 97,253 Da                                              |
| NCBI Official Full Name          | receptor tyrosine-protein kinase erbB-2 isoform b      |
| 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                |
| 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/polyclonal/her2-antibody-immunofluorescence-western-blot-elisa/303422>