

Product datasheet for **TA375955**

Her2 (ERBB2) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB,1:500 - 1:1000 |
| Reactivity: | Human |
| Modifications: | Phospho Y1221/1222 |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | A synthetic phosphorylated peptide around Y1221 & Y1222 of human HER2/ERBB2 (NP_004439.2). |
| Formulation: | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Concentration: | lot specific |
| Purification: | Affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 62kDa/70kDa/97kDa/134kDa/136kDa/137kDa |
| Gene Name: | erb-b2 receptor tyrosine kinase 2 |
| Database Link: | Entrez Gene 2064 Human P04626 |



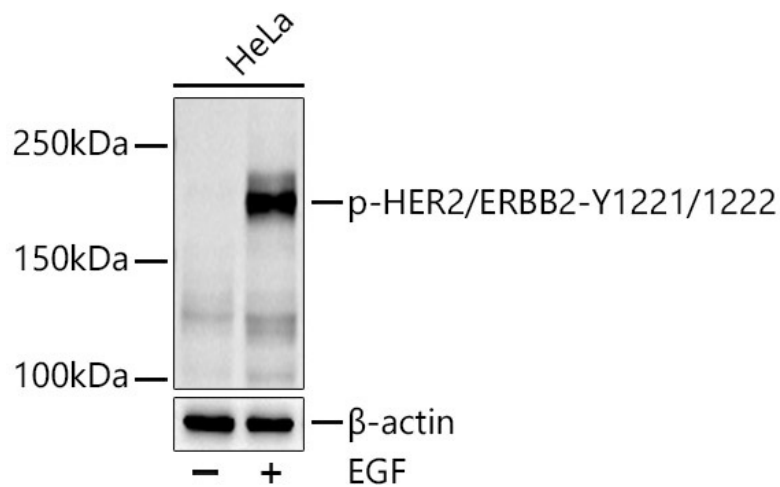
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Background:

This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized.

Synonyms:

C-erbB-2; CD340; erbB-2; HER-2; HER-2/neu; HER2; herstatin; NEU; NGL; p185erbB2; TKR1

Product images:

Western blot analysis of extracts of HeLa cells, using Phospho-HER2/ERBB2-Y1221/1222 antibody (TA375955) at 1:1000 dilution. HeLa cells were treated by EGF (100 ng/ml) at 37°C for 30 minutes after serum-starvation overnight. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 30s.