

Anti-Phospho-HER2/ERBB2 (Tyr877) Polyclonal Antibody

Product Details

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| Ig Type: | IgG |
| Reactivity: | Human,Mouse,Rat |
| Conjugation: | Unconjugated |
| Molecular Weight: | Actual: 180 kDa. |
| Purification: | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

Applications

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| Application: | ELISA,IF,IHC-P,IP,WB |
| Recommended | WB: 1:500-2000; IHC-P: 1:100-300; IP: 2-5 µg:mg lysate; ELISA: 1:10000 |

Properties

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| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | A synthesized phosphopeptide: human HER2 around the phosphorylation site of Tyr877. AA range:851-900 |
| Antigen Species: | human |
| Uniprot ID: | P04626 |
| Synonyms: | p-HER2/ERBB2 (Y877);HER2/ERBB2 (p-Tyr877);HER2/ERBB2 (p-Y877);p-HER2/ERBB2 (Tyr877) |

Research Background

erb-b2 receptor tyrosine kinase 2(ERBB2) Homo sapiens 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 d

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