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ERBB2 Polyclonal Antibody

Cat #: G-AB-06930

Host: Rabbit **Reactivity:** Human, Mouse

Isotype: IgG **Clonality:** Polyclonal

Overview:
HER2,also known as ErbB2 and Neu,is a 185-kDa transmembrane glycoprotein that is a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. It 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. Amplification and/or overexpression of HER2 have been reported in numerous cancers,including
breast and ovarian tumors. HER2 is a therapeutic target for the treatment of breast cancer and other carcinomas.

Gene ID:

Accession #: NP004439

Immunogen: Synthetic peptide of human ERBB2

Conjugation: Unconjugated

Swissprot: P04626

Calculated Molecular Weight:

Observed Molecular Weight:

Concentration: 1.68 mg/mL

Buffer: PBS with 0.05% NaN3 and 40% Glycerol, pH7.4

Purification Method: Antigen affinity purification

Application: IHC,ELISA

Dilution: IHC 1:50-1:100, ELISA 1:5000-1:10000

Storage: Store at -20°C. Avoid freeze / thaw cycles.