Rabbit anti c-erbB2 (pY877) (HER2) Polyclonal Antibody

Alternative Name(s): c-erbB2/neu protein

Order Information

- **Description:** c-erbB2 (pY877) (HER2)
- **Catalogue:** 500-11754
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB, IP
- **Reactivity:** Hu, Ms

ANTIGEN PREPARATION

A synthetic peptide containing the epitope DETE -Y-HADG of human c-erbB2 with a phosphorylation site Tyrosine 877.

BACKGROUND

Oncoprotein Her-2/Neu/ c-erbB-2 belongs to one of the four members of the ErbB receptor family. They are transmembrane receptor-like tyrosine kinases which can be autophosphorylated without ligand binding process when it is overexpressed in breast cancers. Her2 is an important biomarker in breast cancer diagnosis. The antibodies/ heregulin can suppress phosphorylation of HER2 on tyrosine Y1248. Endogenous anti-HER2 antibodies can effectively suppress HER2 kinase activity and downstream signaling to inhibit the transformed phenotype of HER2-expressing tumor cells. Thus, anti-Her2 antibodies have been used widely in the treatment of the breast cancer and other carcinomas.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes c-erbB2 with the phosphorylation sites tyrosine 877. It does not cross-react with non-phosphospecific peptide.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 200.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS

REFERENCES

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