
Anti-ErbB-2

Cat #: HM1132
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

The EGF receptor family comprises several related receptor tyrosine kinases that are frequently overexpressed in a variety of carcinomas. They included EGFR (HER1), Neu (ErbB-2, HER2), ErbB-3 (HER3), and ErbB-4 (HER4), which form either homodimers or heterodimers upon ligand binding. Neu 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 Neu gene has been reported in numerous cancers, including breast and ovarian tumors.

SPECIFICITY

This antibody reacts with Neu gp185 of mouse, rat and human. It can be used in Western blotting, immunoprecipitation and immunostaining (including paraffin-embedded sections).

Molecular Weight of Neu: 185 kDa.

IMMUNOGEN

A peptide at the carboxy terminus of human Neu gp185.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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