
Anti-ErbB-4

Cat #: HM1134
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 include EGFR (HER1), Neu (ErbB-2, HER2), ErbB-3 (HER3), and ErbB-4 (HER4), which form either homodimers or heterodimers upon ligand binding. ErbB-4 is expressed as a 180 kDa full length protein, which is alternatively spliced to produce an 80 kDa membrane-anchored cytoplasmic domain fragment and a 120 kDa ectodomain fragment. The 80 kDa is heavily tyrosine phosphorylated and possesses tyrosine kinase catalytic activity toward an exogenous substrate. Proteolytic cleavage of ErbB-4 is promoted by the binding of heregulin. ErbB-4 is involved in cell proliferation and differentiation and its expression is highest in breast carcinoma cell lines, normal skeletal muscle, heart, pituitary, brain and cerebellum.

SPECIFICITY

This antibody specifically recognizes Erb-B4 of human, mouse and rat origin. Non cross-reactive with other members of the EGF receptor family. It can be used in Western blotting, immunoprecipitation and immunostaining.

IMMUNOGEN

A peptide at the carboxy terminus of human ErbB-4.

STORAGE

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

REFERENCES

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