

ERBB2

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:100 - 1:2000 IHC 1:50- 1:200

Calculated MW: 71kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human ERBB2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

a

Synonym:

NEU; NGL; HER2; TKR1; CD340; HER-2; MLN 19; HER-2/neu;

Catalog #: A2863

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 2064

Isotype: IgG

Swiss Prot: P04626

Purity: Affinity purification

For research use only.

Background:

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 different isoforms and others that have not been fully characterized.

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