ERBB2 Mouse Monoclonal Antibody

E10-20209

Background: ERBB2. v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian). 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

Catalog Number: E10-20209

Amount: 100μg/100μl

Clone Number: 6C2B12,9B9D8

Species: Mouse IgG1/Mouse IgG2b

Aliases: NEU; HER2; TKR1; CD340; HER-2

Entrez Gene: 2064

Immunogen: Purified recombinant fragment of human ERBB2 (aa750-987) expressed in E. Coli.

Storage: Store at 4 °C for 1 month. For long term storage, store at -20 °C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB,IHC,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000.IHC.1/200 - 1/1000. ELISA. Propose dilution 1/10000.

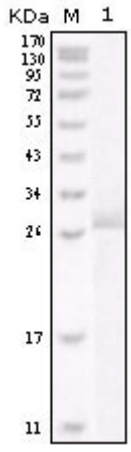

Figure 1. Western blot analysis using ERBB2 mouse mAb against truncated ERBB2 recombinant protein.

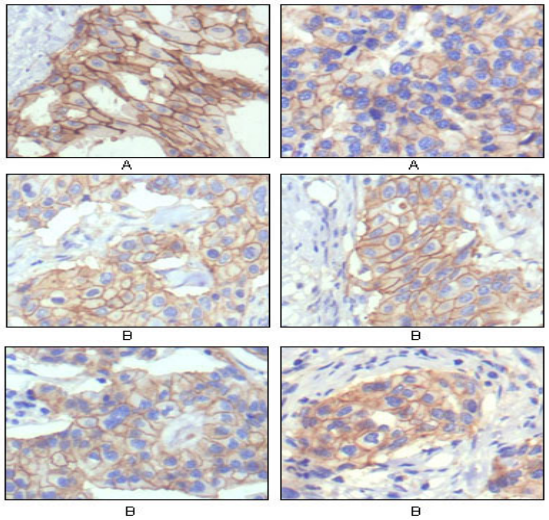

Figure 2. Immunohistochemical analysis of paraffin-embedded human breast intraductal carcinama tissues (A) and breast infiltrating ductal carcinama tissues (B) showing membrane localization using ERBB2 mouse mAb with DAB staining.

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