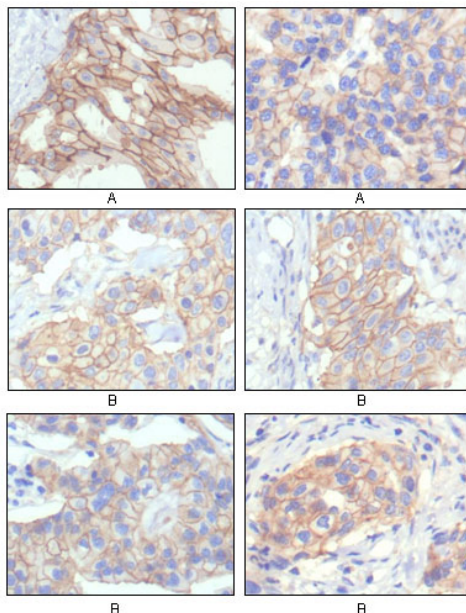
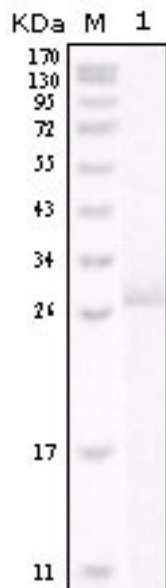




Category: Monoclonal Antibodies

Product Name: Mouse Monoclonal Antibody to ERBB2

Catalog Number: MAB-606020209



Lot#:

Clone#: 6C2B12,9B9D8

Host and isotype: Mouse

IgG1/Mouse IgG2b

Size: 0.1ml

MW:

Aliases: NEU; HER2; TKR1;

CD340; HER-2

Entrez Gene: 2064

Species reactivity: Human

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

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

Description 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

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

Application Western Blotting: 1/500 - 1/2000.

Immunohistochemistry: 1/200 - 1/1000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4°C, for long term storage, store at -20°C.

Related product

References 1. RR Mehta, JH McDermott, TJ Hieken, et al. J. Clin. Oncol. 1998;16:2409 - 2416.
2. Hideko Y, Vered S, and Daniel F.H, et al. J. Clin. Oncol.2001;19:2334 - 2356.
3. Magali F, Kamel H, Cécile B, et al. Clinical Cancer Research. 2000;6:4745-4754.

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