



Category: Monoclonal Antibodies
Product Name: Mouse Monoclonal Antibody to ERBB3

Catalog Number: MAB-606020254

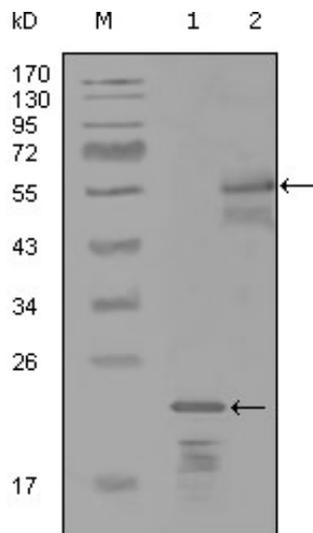


Figure 1: Western blot analysis using ERBB3 mouse mAb against truncated Trx-ERBB3 recombinant protein (1) and MBP-ERBB3 (aa1175-1275) recombinant protein (2).

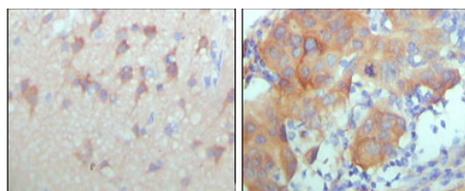


Figure 2: Immunohistochemical analysis of paraffin-embedded human cerebra (left) and breast carcinoma tissue (right), showing cytoplasmic and membrane location with DAB staining using ERBB3 mouse mAb.

Lot#: 3F10F6
Clone#: 3F10F6
Host and isotype: Mouse IgG1
Size: 0.1ml
MW:
Aliases: HER3; LCCS2
Entrez Gene: 2065
Species reactivity: Human

Description

ERBB3: v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian). This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However, it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and/or overexpression of its protein have been reported in numerous cancers, including prostate, bladder, and breast tumors. Alternate transcriptional splice variants encoding different isoforms have been characterized. One isoform lacks the intermembrane region and is secreted outside the cell. This form acts to modulate the activity of the membrane-bound form. Additional splice variants have also been reported, but they have not been thoroughly characterized.

Immunogen Purified recombinant fragment of ERBB3 (aa1175-1275) 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 4iæ, for long term storage, store at -20iæ.

Related product

References 1. Cancer Sci. 2007 Sep;98(9):1498-503.

2. Breast Cancer Res. 2008;10(1):R2.

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