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Datasheet

ERBB4 monoclonal antibody, clone HFR1

Catalog Number: MAB7170

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against synthetic peptide of ERBB4.

Clone Name: HFR1

Immunogen: A synthetic peptide corresponding to amino acids 1250-1264 of human ERBB4.

Sequence: RSTLQHPDYLQEYST

Host: Mouse

Reactivity: Human,Mouse

Applications: IHC, IP, WB-Ti
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: HER4 (HFR1). Predicted to react with Rat (100% identity with immunogen) and Chicken (100% identity with immunogen) due to sequence homology.This antibody is useful for Western blot analysis (predicted molecular weight 147 KDa). There may be some non-specific staining below 50 KDa.

Form: Liquid

Isotype: IgG2b

Recommend Usage: Western Blot (3 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (1 mg/mL BSA)

Storage Instruction: Store at 4°C for short term. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2066

Gene Symbol: ERBB4

Gene Alias: HER4, MGC138404, p180erbB4

Gene Summary: This gene is a member of the Tyr protein kinase family and the epidermal growth factor receptor subfamily. It encodes a single-pass type I membrane protein with multiple cysteine rich domains, a transmembrane domain, a tyrosine kinase domain, a phosphotidylinositol-3 kinase binding site and a PDZ domain binding motif. The protein binds to and is activated by neuregulins and other factors and induces a variety of cellular responses including mitogenesis and differentiation. Multiple proteolytic events allow for the release of a cytoplasmic fragment and an extracellular fragment. Mutations in this gene have been associated with cancer. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq]