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Datasheet

ERBB4 monoclonal antibody, clone HC-5

Catalog Number: MAB20016

Regulatory Status: For research use only (RUO)

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

Clone Name: HC-5

Immunogen: A synthetic peptide corresponding to human ERBB4.

Host: Rabbit

Theoretical MW (kDa): 146.808

Reactivity: Human

Applications: Flow Cyt, ICC, IP, WB
(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

Form: Liquid

Purification: Affinity purification

Isotype: IgG

Recommend Usage: Flow Cytometry (1:40)
Immunocytochemistry (1:50-1:200)
Immunoprecipitation (1:30)
Western Blot (1:500-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction: Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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]