Datasheet

ERBB4 polyclonal antibody

Catalog Number: PAB26002

Regulation Status: For research use only (RUO)

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

Immunogen: A synthetic peptide corresponding to 20 amino acids at internal region of human ERBB4.

Host: Rabbit

Reactivity: Human

Applications: IHC-P
(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: BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ERBB3 (55%), FRAS1 (55%).

Form: Liquid

Purification: Immunoaffinity chromatography

Recommend Usage: Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (16 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.1% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -80°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]