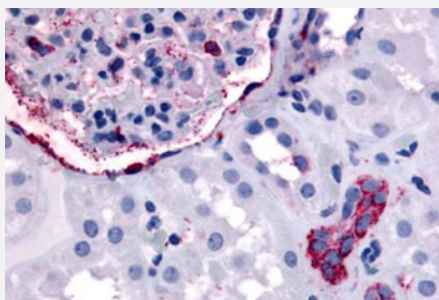


ERBB4 polyclonal antibody

Catalog # PAB26002

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney with ERBB4 polyclonal antibody (Cat # PAB26002).

Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

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	Chicken, Dog, Horse, Human, Monkey, Mouse, Pig, Rat
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 (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — ERBB4

Entrez GeneID [2066](#)

Protein Accession# [Q15303](#)

Gene Name ERBB4

Gene Alias HER4, MGC138404, p180erbB4

Gene Description v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)

Omim ID [600543](#)

Gene Ontology [Hyperlink](#)

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 phosphatidylinositol-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]

Other Designations

avian erythroblastic leukemia viral (v-erb-b2) oncogene homolog 4|receptor tyrosine-protein kinase erbB-4|tyrosine kinase-type cell surface receptor HER4|v-erb-a avian erythroblastic leukemia viral oncogene homolog-like 4|v-erb-a erythroblastic leukemia v

Pathway

- [Calcium signaling pathway](#)
- [Endocytosis](#)

- [ErbB signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Attention](#)
- [Autistic Disorder](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cell Transformation](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Lung Neoplasms](#)
- [Melanoma](#)
- [Memory](#)
- [Mental Retardation](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychotic Disorders](#)
- [Reaction Time](#)

- [Schizophrenia](#)
- [Skin Neoplasms](#)
- [Tobacco Use Disorder](#)