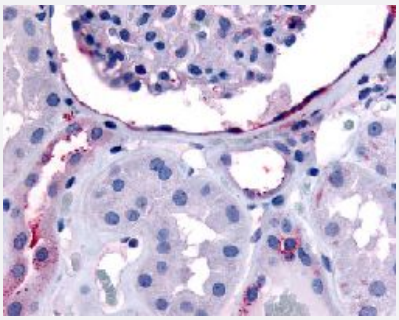
ERBB4 polyclonal antibody

Catalog # PAB16329 Size 50 ug

Applications



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

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human glomerulus and renal tubular epithelium in cortex with ERBB4 polyclonal antibody (Cat # PAB16329).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ERBB4.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to human ERBB4.
Host	Rabbit
Reactivity	Human, Monkey
Specificity	C-terminal region of human.
Form	Liquid
Purification	Immunoaffinity purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (30 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 shoul d be handled by trained staff only.

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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 s ubfamily. 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 a nd a PDZ domain binding motif. The protein binds to and is activated by neuregulins and other fac tors 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. M utations in this gene have been associated with cancer. Alternatively spliced variants which encod e different protein isoforms have been described; however, not all variants have been fully charact erized. [provided by RefSeq
Other Designations	avian erythroblastic leukemia viral (v-erb-b2) oncogene homolog 4|receptor tyrosine-protein kinas e erbB-4|tyrosine kinase-type cell surface receptor HER4|v-erb-a avian erythroblastic leukemia vir al 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