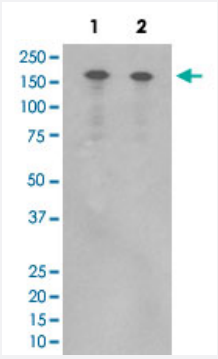
ERBB4 monoclonal antibody, clone HC-5

Catalog # MAB20016 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: human brain tissue and Lane 2: MCF-7 cell lysates with ERBB4 monoclonal antibody, clone HC-5 (Cat # MAB20016).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human ERBB4.
Immunogen	A synthetic peptide corresponding to human ERBB4.
Host	Rabbit
Theoretical MW (kDa)	146.808
Reactivity	Human
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.

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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 st ored frozen at -20°C for a longer time. 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.

Applications

- Immunocytochemistry
- Flow Cytometry
- Immunoprecipitation
- Western Blot

  Western Blot analysis of Lane 1: human brain tissue and Lane 2: MCF-7 cell lysates with ERBB4 monoclonal antibody, clone HC-5 (Cat # MAB20016).

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

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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

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- Memory
- Mental Retardation
- Prostate cancer
- Prostatic Neoplasms
- Psychotic Disorders
- Reaction Time
- Schizophrenia
- Skin Neoplasms
- Tobacco Use Disorder

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