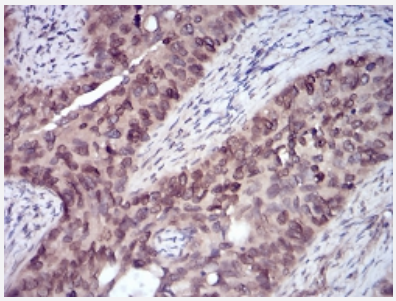
ERBB4 monoclonal antibody, clone 5G6B4

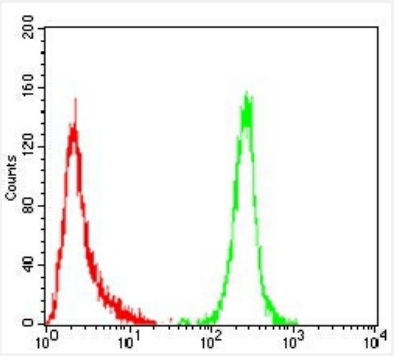
Catalog # MAB16669 Size 100 ug

Applications



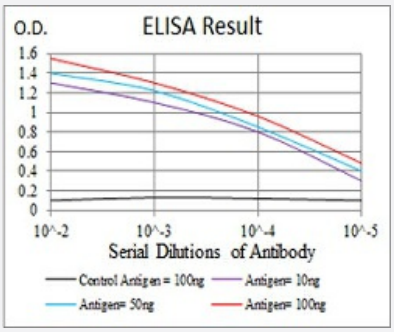
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded cervical cancer tissues with ERBB4 monoclonal antibody.



Flow Cytometry

Flow cytometric analysis of Hela cells with ERBB4 monoclonal antibody (green) and negative control (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ERBB4 monoclonal antibody, clone 5G6B4.

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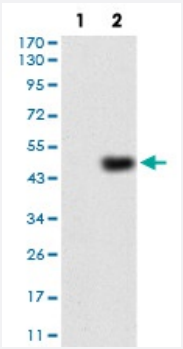

Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: ERBB4-hIgGFc transfected HEK293 cell with ERBB4 monoclonal antibody.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human ERBB4.
Immunogen	Recombinant protein corresponding to amino acid 1159-1308 of human ERBB4 from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	146.8
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°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.

Applications

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Gene Info — ERBB4

Entrez GeneID	2066
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

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- 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

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- Psychotic Disorders
- Reaction Time
- Schizophrenia
- Skin Neoplasms
- Tobacco Use Disorder

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