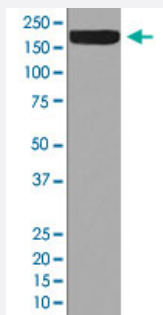


# ERBB4 monoclonal antibody, clone GGB-5

Catalog # MAB20017      Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Western Blot analysis of human brain tissue lysate with ERBB4 monoclonal antibody, clone GGB-5 (Cat # MAB20017).

## Specification

|                             |                                                                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit monoclonal antibody raised against synthetic peptide of human ERBB4.                                                                                                           |
| <b>Immunogen</b>            | A synthetic peptide corresponding to human ERBB4.                                                                                                                                     |
| <b>Host</b>                 | Rabbit                                                                                                                                                                                |
| <b>Theoretical MW (kDa)</b> | 146.808                                                                                                                                                                               |
| <b>Reactivity</b>           | Human                                                                                                                                                                                 |
| <b>Form</b>                 | Liquid                                                                                                                                                                                |
| <b>Purification</b>         | Affinity purification                                                                                                                                                                 |
| <b>Isotype</b>              | IgG                                                                                                                                                                                   |
| <b>Recommend Usage</b>      | Western Blot (1:1000-1:2000)<br>The optimal working dilution should be determined by the end user.                                                                                    |
| <b>Storage Buffer</b>       | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).                                                                                                                       |
| <b>Storage Instruction</b>  | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored 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 should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western Blot analysis of human brain tissue lysate with ERBB4 monoclonal antibody, clone GGB-5 (Cat # MAB20017).

## 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](#)