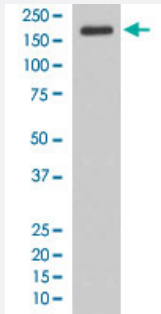


ERBB3 monoclonal antibody, clone BIB-5

Catalog # MAB20015 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of MCF-7 cell lysate with ERBB3 monoclonal antibody, clone BIB-5 (Cat # MAB20015).

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human ERBB3.

Immunogen A synthetic peptide corresponding to human ERBB3.

Host Rabbit

Theoretical MW (kDa) 148.098

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage
Immunoprecipitation (1:30)
Western Blot (1:500-1:2000)
The optimal working dilution should be determined by the end user.

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 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 (Cell lysate)

Western Blot analysis of MCF-7 cell lysate with ERBB3 monoclonal antibody, clone BIB-5 (Cat # MAB20015).

- Immunoprecipitation

Gene Info — ERBB3

Entrez GeneID

[2065](#)

Protein Accession#

[P21860](#)

Gene Name

ERBB3

Gene Alias

ErbB-3, HER3, LCCS2, MDA-BF-1, MGC88033, c-erbB-3, c-erbB3, erbB3-S, p180-ErbB3, p45-sErbB3, p85-sErbB3

Gene Description

v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)

Omim ID

[190151](#) [607598](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However, it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and/or overexpression of its protein have been reported in numerous cancers, including prostate, bladder, and breast tumors. Alternative transcriptional splice variants encoding different isoforms have been characterized. One isoform lacks the intermembrane region and is secreted outside the cell. This form acts to modulate the activity of the membrane-bound form. Additional splice variants have also been reported, but they have not been thoroughly characterized. [provided by RefSeq]

Other Designations

erbB-3|lethal congenital contracture syndrome 2|v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3

Pathway

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

Disease

- [Addison Disease](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Bipolar Disorder](#)
- [Brain Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Hypertension](#)
- [Multiple Sclerosis](#)
- [Ovarian Neoplasms](#)
- [Prostatic Neoplasms](#)

- [Schizophrenia](#)
- [Thyroid Diseases](#)