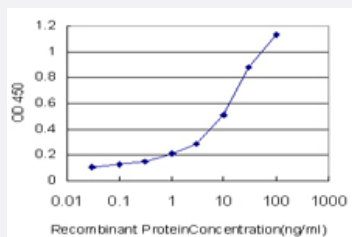


ERBB3 monoclonal antibody (M04), clone 4G6

Catalog # H00002065-M04

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ERBB3 is approximately 0.3ng/ml as a capture antibody.

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant ERBB3.

Immunogen

ERBB3 (AAH02706, 21 a.a. ~ 331 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

EVGNSQAVCPGTLNGLSVTGAENQYQTLTKLYERCEVVMGNLEMLTGHNADLSFLQWIREVTG
YVLVAMNEFSTLPLPNLRVVRGTQVYDGKFAIFVMLNYNTNSSHALRQLRLTQLTEILSGGVYIEKN
DKLCHMDTIDWRDIVRDRDAEIVKDNGRSCPPCHEVCKGRCWGPSEDCQTLTKTICAPQCN
GHCFGPNNQCCHDECAGGCSGPQDTCFACRHFNDSGACVPRCPQPLVYNKLTFLQLEPNPH
TKYQYGGVCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKAF

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (94); Rat (94)

Isotype

IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ERBB3 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ERBB3

Entrez GeneID [2065](#)

GeneBank Accession# [BC002706](#)

Protein Accession# [AAH02706](#)

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](#)