ERBB3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	ERBB3, Monoclonal Antibody
Full Product Name	ERBB3 (Receptor Tyrosine-protein Kinase erbB-3, Proto-oncogene-like Protein c-ErbB-3, Tyrosine Kinase-type Cell Surface Receptor HER3, HER3) (M
Product Gene Name	anti-ERBB3 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2E9
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ERBB3.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original
Molecular Weight	77,426 Da
Immunogen	Partial recombinant corresponding to aa1-130 from human ERBB3 (AAH02706) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MRANDALQVLGLLFSLARGSEVGNSQAVCPGTLNGLSVTGDAENQYQTLYKLYERCEVVMGNLEIVLTGHNADLSFLQWIREVTGYVLVAMNEFSTLPLP
Conjugate	MaxLight490
Product Categories/Family for anti-ERBB3 antibody	Antibodies; Oncoproteins
Applications Tested/Suitable for anti-ERBB3 antibody	FLISA, Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-ERBB3 antibody	IHC-P: 2ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-ERBB3 antibody	MBS6200698 is an antibody targeting ERBB3. Also known as ERBB3 (Receptor Tyrosine-protein Kinase erbB-3, Proto-oncogene-like Protein c-ErbB-3 HER3, HER3) (MaxLight 490). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-ERBB3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ERBB3. It may not necessarily be applicable to this product.

NCBI GI #	33877047
NCBI GeneID	2065
NCBI Accession #	BC002706
NCBI Related Accession #	AAH02706
UniProt Secondary Accession #	Q9BUD7; A8K6L6; B4DIK7; B4DV32; E9PDT8
UniProt Related Accession #	P21860
NCBI Official Full Name	Homo sapiens v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian), mRNA
NCBI Official Synonym Full Names	erb-b2 receptor tyrosine kinase 3
NCBI Official Symbol	ERBB3
NCBI Official Synonym Symbols	HER3; LCCS2; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; c-erbB-3; p180-ErbB3; p45-sErbB3; p85-sErbB3
Protein Family	Receptor tyrosine-protein kinase
NCBI Protein Information	receptor tyrosine-protein kinase erbB-3
NCBI Summary for ERBB3	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. Alternate 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, Jul 2008]
Research Articles on ERBB3	**1.** Expression and Prognostic Significance of Human Epidermal Growth Factor Receptors 1, 2 and 3 in Periampullary Adenocarcinoma
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