

Mouse anti-Human ErbB3 Monoclonal Antibody | anti-ERBB3 antibody

anti-human Receptor tyrosine-protein kinase ErbB-3 monoclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71484	Mouse	Human	Immunohistochemistry, Flow Cytometry, Functional Assay

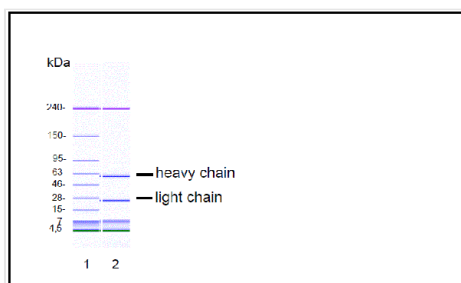
PRODUCT SYNONYMS

ErbB3; Monoclonal Antibody; anti-human Receptor tyrosine-protein kinase ErbB-3 monoclonal antibody; Her3; anti-ERBB3 antibody

PRODUCT SPECIFICATIONS

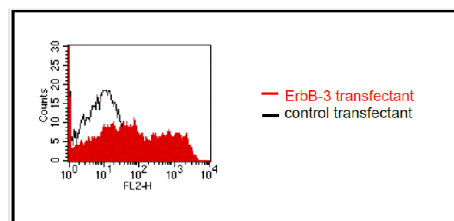
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	DY-7G2
Specificity	anti-human Receptor tyrosine-protein kinase ErbB-3 (Her3)
Purity/Purification	Protein G
Form/Format	Purified
Sequence Length	183
Applicable Applications for anti-ERBB3 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Buffer	phosphate buffered saline, pH 7.2
Immunogen	genetic immunisation with cDNA encoding human ErbB-3
Selection	based on recognition of the complete native protein expressed on transfected mammalian cells
Immunogen	cDNA
Preparation and Storage	Short term: 2 degree C - 8 degree C; long term: -20 degree C (avoid repeated freezing and thawing)

IMAGES



Application Data

Fig.2: CGE analysis of purified DY-7G2 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 µg of purified DY-7G2 antibody. Proteins were separated by CGE (capillary gel electrophoresis, Agilent 2100 Bioanalyzer). Internal control bands (240 kDa / 7 kDa / 4.5 kDa).



Application Data

Fig.1: FACS analysis of BOSC23 cells using DY-7G2 Cat.# GM-1003. BOSC23 cells were transiently transfected with an expression vector encoding either ErbB-3 (red curve) or an irrelevant protein (control transfectant: black curve). Binding of DY-7G2 was detected with a PE-conjugated secondary antibody. A positive signal was obtained only with ErbB-3 transfected cells.

ADDITIONAL INFORMATION

Related Product Information for anti-ERBB3 antibody	Background: ErbB-3 belongs to the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. ErbB receptors (EGFR (ErbB1), ErbB2, ErbB3, and ErbB4) are important regulators of normal growth and differentiation, and they are involved in the pathogenesis of cancer. The 148- kDa trans-membrane polypeptide ErbB-3 has a neuregulin binding domain but not an active kinase domain. Heterodimerisation with EGF receptor family members which possess kinase activity leads to the activation of pathways which indicate cell proliferation or differentiation (1). Over-expression of ErbB-3 has been reported in numerous cancers, including prostate, bladder and breast tumours (2).
References	Kraus MH, Issing W, Miki T, Popescu NC, Aaronson SA (1989). Isolation and characterization of ERBB3, a third member of the ERBB/epidermal growth factor receptor family: evidence for overexpression in a subset of human mammary tumors. Proc Natl Acad Sci USA, 86(23):9193-7 Gullick WJ (1996). The c-erbB3/HER3 receptor in human cancer. Cancer Surv 27:339-49.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792102
NCBI GeneID	2065
NCBI Accession #	NP_001005915.1
NCBI GenBank Nucleotide #	NM_001005915.1
UniProt Accession #	P21860; Q9BUD7; A8K6L6; B4DIK7; B4DV32; E9PDT8
Molecular Weight	77,426 Da
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-3 isoform s
NCBI Official Synonym Full Names	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 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
NCBI Protein Information	receptor tyrosine-protein kinase erbB-3; proto-oncogene-like protein c-ErbB-3; tyrosine kinase-type cell surface receptor HER3
UniProt Gene Name	ERBB3
UniProt Synonym Gene Names	HER3
UniProt Entry Name	ERBB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/erbb3-antibody-clone-dy-7g2-immunohistochemistry-flow-cytometry-elisa/71484>