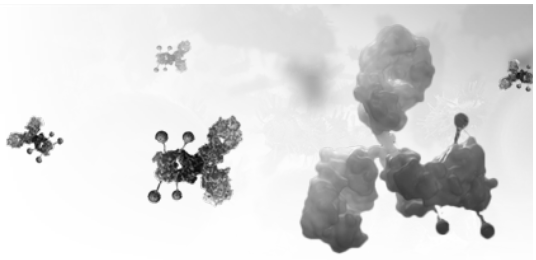

Mouse Anti-Human HER2/neu monoclonal antibody, clone JID113 (CABT-L2806)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human HER2/neu
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID113
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Breast Carcinoma
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

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Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The Her2/Neu (c-erbB-2) proto-oncogene is a transmembrane receptor tyrosine kinase that is clinically indicated in a number of carcinomas. Overexpression of the c-erbB-2 protein has been associated with ductal breast cancer, as well as pulmonary and gastric adenocarcinomas. A correlation between Her2 and p53 has also been documented, as overexpression of both proteins has been associated with early invasion and metastasis in bladder cancer.
Keywords	ERBB2;erb-b2 receptor tyrosine kinase 2;NEU;NGL;HER2;TKR1;CD340;HER-2;MLN 19;HER-2/neu

GENE INFORMATION

Gene Name	ERBB2 erb-b2 receptor tyrosine kinase 2 [Homo sapiens (human)]
Official Symbol	ERBB2
Synonyms	ERBB2; erb-b2 receptor tyrosine kinase 2; NEU; NGL; HER2; TKR1; CD340; HER-2; MLN 19; HER-2/neu; receptor tyrosine-protein kinase erbB-2; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-oncogene c-ErbB-2; metastatic lymph node gene 19 protein; human epidermal growth factor receptor 2; neuro/glioblastoma derived oncogene homolog; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived oncogene homolog; v-erb-b2 avian erythroblastic leukemia viral oncoprotein 2; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog;
Entrez Gene ID	2064
Protein Refseq	NP_001005862
UniProt ID	P04626
Chromosome Location	17q12
Pathway	Adaptive Immune System; Adherens junction; Alpha6-Beta4 Integrin Signaling Pathway; Axon guidance; Bladder cancer; Calcium signaling pathway; Central carbon metabolism in cancer; Constitutive PI3K/AKT Signaling in Cancer;
Function	ATP binding; ErbB-3 class receptor binding; RNA polymerase I core binding; contributes_to

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growth factor binding; identical protein binding; protein C-terminus binding; protein binding; protein dimerization activity; protein heterodimerization activity; protein phosphatase binding; protein tyrosine kinase activity; receptor signaling protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity; transmembrane signaling receptor activity;

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