Product Data Sheet:
HER2 / ERBB2

Cat. No:	AB-84340
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog(avian)
Reactivity:	Hu, Ms
Applications:	Western Blot: 1:1000-1:10000 Immunoprecipitation: 1:200-1:2000 Immunohistochemistry: 1:50-1:200
Molecular Weight:	185kDa
Purification:	Aff. Pur. ≥95% as determined by SDS-PAGE
Synonyms:	CD340, ERBB2, HER 2, HER 2/neu, HER2, MLN 19, MLN19, NEU, NGL, p185, p185erbB2, Proto oncogene c ErbB 2, Proto oncogene Neu, TKR1
Background:	HER2, also known as ErbB2 and Neu, is a 185-kDa transmembrane glycoprotein that is a member of the epidermal growth factor(EGF) receptor family of receptor tyrosine kinases. It has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Amplification and/or overexpression of HER2 have been reported in numerous cancers, including breast and ovarian tumors. HER2 is a therapeutic target for the treatment of breast cancer and other carcinomas. This antibody raised against a synthesized peptide corresponding to 1237-1255aa of human HER2 recognizes the 185-kDa full-length glycosylated form and other lower molecular-mass forms of HER2, including the truncated form.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage:	T -20℃ for 24 months (Avoid repeated freeze / thaw cycles.)

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