

Rabbit HER2 Polyclonal Antibody | anti-HER2 antibody

HER2 (Phospho-Tyr1221/Tyr1222) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA316505	Rabbit	Human, Mouse, Rat	ELISA, Immunoprecipitation, Immunohistochemistry, Western Blot

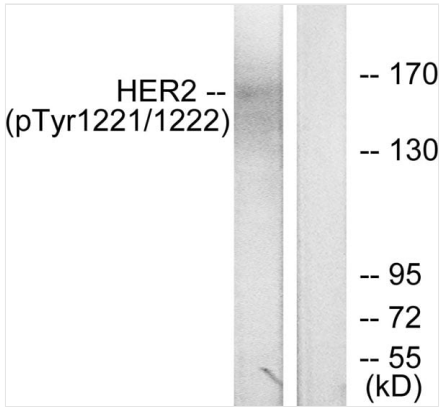
PRODUCT SYNONYMS

HER2; Polyclonal Antibody; HER2 (Phospho-Tyr1221/Tyr1222) Antibody; C-erbB-2; Epidermal growth factor receptor-related protein; ErbB2; kinase ErbB2; MLN 19; NEU; NEU proto-oncogene; NGL; p185erbB2; Receptor protein-tyrosine kinase erbB-2; Receptor protein-tyrosine kinase erbB-2 precursor; Tyrosine kinase-type cell s; anti-HER2 antibody

PRODUCT SPECIFICATIONS

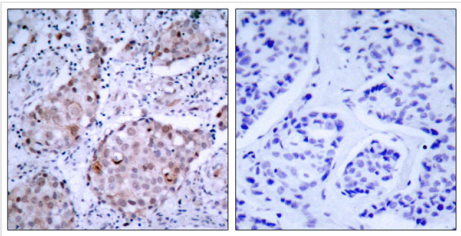
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	HER2 (Phospho-Tyr1221/Tyr1222) Antibody detects endogenous levels of HER2 only when phosphorylated at Tyr1221/Tyr1222.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	888
Applicable Applications for anti-HER2 antibody	ELISA, IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Target Modification	Phospho
Modification Sites	H:Y1221+Y1222; M:Y1222+Y1223; R:Y1223+Y1224
Immunogen	The antiserum was produced against synthesized peptide derived from human HER2 around the phosphorylation site of Tyr1221/Tyr1222.
Immunogen Range	1191-1240
Preparation and Storage	Stable at -20 degree C for at least 1 year.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from SK-OV3 cells treated with EGF, using HER2 (Phospho-Tyr1221/Tyr1222) Antibody. The lane on the right is blocked with the phospho peptide.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using HER2 (Phospho-Tyr1221/Tyr1222) Antibody. The picture on the right is blocked with the phospho peptide.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792098
NCBI GeneID	2064
NCBI Accession #	NP_001005862.1
NCBI GenBank Nucleotide #	NM_001005862.2
UniProt Accession #	P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3; X5D2V5
Molecular Weight	137 kDa
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-2 isoform b
NCBI Official Synonym Full Names	erb-b2 receptor tyrosine kinase 2
NCBI Official Symbol	ERBB2
NCBI Official Synonym Symbols	NEU; NGL; HER2; TKR1; CD340; HER-2; MLN 19; HER-2/neu
NCBI Protein Information	receptor tyrosine-protein kinase erbB-2
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-2
UniProt Gene Name	ERBB2
UniProt Synonym Gene Names	HER2; MLN19; NEU; NGL; MLN 19

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.