

Rabbit Phospho-ErbB 2 Polyclonal Antibody | anti-ErbB 2 antibody

Phospho-ErbB 2 Antibody

CATALOG # AAA76011	HOST Rabbit	REACTIVITY Mouse, RatPredicted: Human	APPLICATIONS Western Blot, Immunoprecipitation, ELISA
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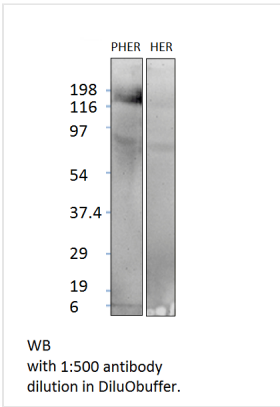
PRODUCT SYNONYMS

Phospho-ErbB 2; Polyclonal Antibody; Phospho-ErbB 2 Antibody; Verb b2 erythroblastic leukemia viral oncogene homolog 2; neuro/glioblastoma derived oncogene homolog; c erb B2/neu protein; CD340; CerbB2; Erb B2; Erythroblastosis Virus; HER 2/neu; Herstatin; Metastatic lymph node gene 19 protein; MLN19; NEU; Neuro Glioblastoma Derived Oncogene Homolog; NGL; p185 ErbB2; Receptor Protein Tyrosine Kinase ErbB2 Precursor; TKR1; Tyrosine kinase-type cell surface receptor HER2; v erb b2 erythroblastic leukemia viral oncogene homolog 2 neuro/glioblastoma derived oncogene homolog (avian); verbb2 antibody; anti-ErbB 2 antibody

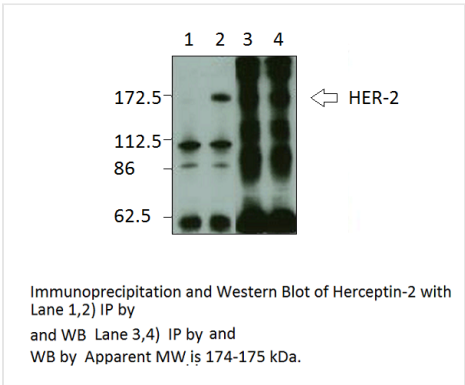
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat Predicted: Human
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	0.50 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	1255
Applicable Applications for anti-ErbB 2 antibody	WB (Western Blot), IP (Immunoprecipitation), ELISA
Immunogen	Phosphorylated synthetic peptide taken within amino acid region 1100-1150 on human HER-2 protein
Expression	Expressed in a variety of tumor tissues including primary breast tumors and tumors from small bowel, esophagus, kidney and mouth.
Modification	Phosphorylated
Molecular Function	Activator, Kinase, Receptor, Transferase, Tyrosine-protein kinase
Structure	Homodimer. Heterodimer with EGFR, ERBB3 and ERBB4. Part of a complex with EGFR and either PIK3C2A or PIK3C2B. May interact with PIK3C2B when phosphorylated on Tyr-1196. Interacts with PRKCABP and PLXNB1. Interacts (when phosphorylated on Tyr-1248) with MEMO1. Interacts with MUC1; the interaction is enhanced by heregulin (HRG).
Subcellular Location	Isoform 1: Cell membrane; Single-pass type I membrane protein, Cytoplasm;perinuclear region, Nucleus. Isoform 2: Cytoplasm, Nucleus. Isoform 3: Cytoplasm, Nucleus.
Preparation and Storage	-20• degree C for long term storage

IMAGES



WB (Western Blot)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-ErbB 2 antibody	Affinity Purified Receptor tyrosine-protein kinase erbB-2 (HER2) Antibody Protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Regulates outgrowth and stabilization of peripheral microtubules (MTs).
Product Categories/Family for anti-ErbB 2 antibody	Primary Antibodies; Cancer Research; Tumor Associated; Phospho-ErbB 2 Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	306840
NCBI GeneID	2064
UniProt Accession #	P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3; X5D2V5
Molecular Weight	97,382 Da
NCBI Official Full Name	HER2 receptor
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
UniProt Entry Name	ERBB2_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.