

Rabbit anti-Human HER2/ErbB2 Polyclonal Antibody | anti-HER2/ErbB2 antibody

[KO Validated] HER2/ErbB2 Rabbit pAb

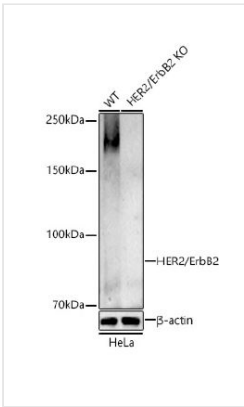
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282398	Rabbit	Human	Western Blot

PRODUCT SYNONYMS

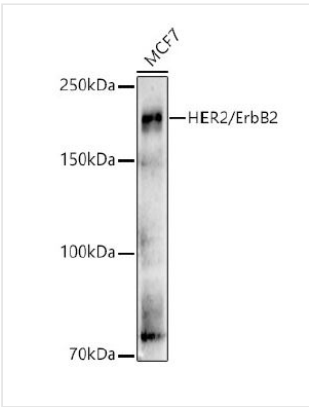
HER2/ErbB2; Polyclonal Antibody; [KO Validated] HER2/ErbB2 Rabbit pAb; NEU; NGL; HER2; TKR1; CD340; HER-2; VSCN2; MLN 19; MLN-19; c-ERB2; c-ERB-2; HER-2/neu; p185(erbB2); anti-HER2/ErbB2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Liquid PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	PLPAARPAGA TLERPKTLSP GKNGVVKDVAFGGAVENPE YLTPQGGAAP QPHPPPAFSP AFDNLYYWDQ DPPERGAPPS TFKGTPTAEN PEYLGLDVPV
Applicable Applications for anti-HER2/ErbB2 antibody	WB (Western Blot)
Positive Samples	HeLa, MCF7
Cellular Location	Cell membrane, Cytoplasm, Nucleus, Nucleus, Single-pass type I membrane protein, perinuclear region
Research Area	Protein phosphorylation, Cancer, Tumor immunology, Tumor-associated antigens, Tumor biomarkers, Signal Transduction, Kinase, Tyrosine kinases, ErbB-HER Signaling Pathway, Cell Biology Developmental Biology, Growth factors, Immunology Inflammation, CDs, Cardiovascular, Angiogenesis
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1156-1255 of human HER2/ErbB2 (NP_004439.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles. Ship: Ice Pack



WB (Western Blot)
Western blot analysis of extracts from wild type(WT) and HER2/ErbB2 Rabbit pAb knockout (KO) HeLa cells, using HER2/ErbB2 Rabbit pAb antibody (AAA282398) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



WB (Western Blot)
Western blot analysis of MCF7, using HER2/ErbB2 Rabbit pAb antibody (AAA282398) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-HER2/ErbB2 antibody	This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein 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. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized.
Product Categories/Family for anti-HER2/ErbB2 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792098
NCBI GeneID	2064
NCBI Accession #	NP_001005862.1
NCBI GenBank Nucleotide #	NM_001005862.1
UniProt Accession #	P04626 ; Q14256 ; Q6LDV1 ; Q9UMK4 ; B2RZG3 ; B4DHN3
Molecular Weight	137,910 Da
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-2 isoform b
NCBI Official Synonym Full Names	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
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; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-oncogene c-ErbB-2; metastatic lymph node gene 19 protein; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived on
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/her2-erbb2-antibody-western-blot-elisa/282398>