

HER2/ErbB2 recombinant antibody

Rabbit anti-HER2/ErbB2 Recombinant Monoclonal Antibody [BLR241L]

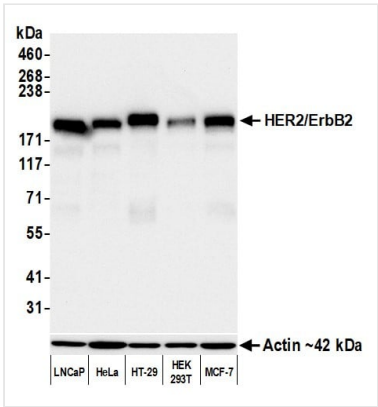
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213657	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

HER2/ErbB2; Monoclonal Recombinant Antibody; Rabbit anti-HER2/ErbB2 Recombinant Monoclonal Antibody [BLR241L]; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2; NGL; p185erbB2; proto-oncogene c-ErbB-2; proto-oncogene Neu; receptor tyrosine-protein kinase erbB-2; tyrosine kinase-type cell surface receptor HER2; v-erb-b2 avian erythroblastic leukemia viral oncoprotein 2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2; neuro/glioblastoma derived oncogene homolog; herstatin; neuroblastoma/glioblastoma derived oncogene homolog; TKR1; HER2; metastatic lymph node gene 19 protein; c-erb B2/neu protein; HER-2; HER-2/neu; human epidermal growth factor receptor 2; CD antigen CD340; MLN 19; NEU; CD340; Receptor tyrosine-protein kinase erbB-2; erb-b2 receptor tyrosine kinase 2; HER2/ErbB2 recombinant antibody

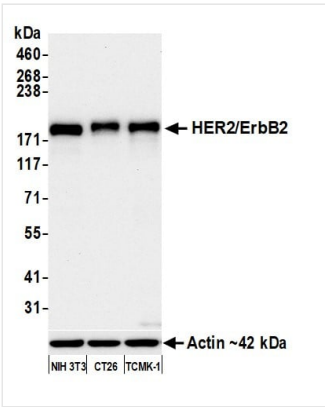
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR241L
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	250ug/ml (varies by lot)
Applicable Applications for HER2/ErbB2 recombinant antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1205 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



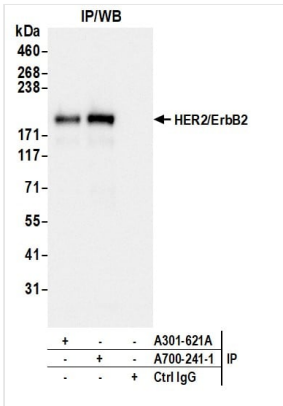
WB (Western Blot)

Detection of human HER2/ErbB2 by western blot. Samples: Whole cell lysate (10 ug) from LNCaP, HeLa, HT-29, HEK293T, and MCF-7 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-HER2/ErbB2 recombinant monoclonal antibody (AAA213657 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



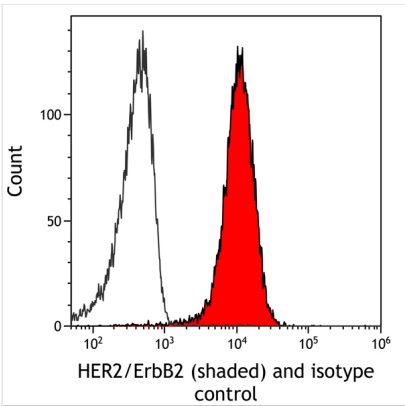
WB (Western Blot)

Detection of mouse HER2/ErbB2 by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3, CT26, and TCMK-1 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-HER2/ErbB2 recombinant monoclonal antibody (AAA213657 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



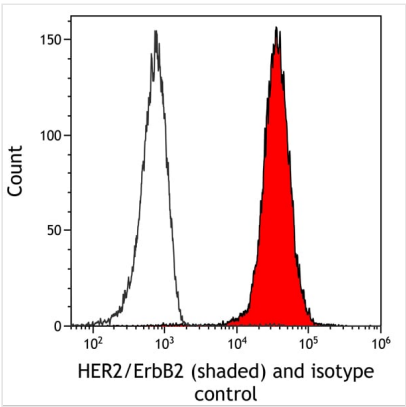
ICC (Immunocytochemistry)

Detection of human HER2/ErbB2 by immunocytochemistry. Sample: FFPE section of LNCaP cells. Antibody: Rabbit anti-HER2/ErbB2 recombinant monoclonal antibody (AAA213657 lot 1) used for IP at 20 ul/mg lysate. HER2/ErbB2 was also immunoprecipitated by a second antibody against a different epitope of HER2/ErbB2 (A301-621A). For blotting immunoprecipitated HER2/ErbB2, AAA213657 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 1 second.



FCM/FACS (Flow Cytometry)

Detection of mouse HER2/ErbB2 (shaded) in NIH3T3 cells by flow cytometry. Antibody: Rabbit anti-HER2/ErbB2 recombinant monoclonal antibody (AAA213657) or isotype control (unshaded). Secondary: DyLight 650-conjugated goat anti-rabbit IgG .



FCM/FACS (Flow Cytometry)

Detection of human HER2/ErbB2 (shaded) in FaDu cells by flow cytometry. Antibody: Rabbit anti-HER2/ErbB2 recombinant monoclonal antibody (AAA213657) or isotype control (unshaded). Secondary: DyLight 650-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for HER2/ErbB2 recombinant antibody	ErbB2 is a member of the receptor tyrosine kinase family of proteins. The four members of this family are ErbB1 (Epidermal growth factor receptor; EGFR/HER1), ErbB2 (HER2/Neu), ErbB3 (HER3), and ErbB4 (HER4). The ErbB receptor members are single-pass transmembrane proteins with an extracellular ligand-binding domain and a cytoplasmic tyrosine-kinase domain. The epidermal growth factor (EGF) and its related proteins serve as the ligands for the ErbB receptors. Upon binding, the receptors heterodimerize, autophosphorylate and make contact with adapter molecules to transmit cellular signals involved in cell proliferation, survival, and differentiation. The ErbB2 receptor is the only member that does not interact with a ligand, but instead functions as a heterodimeric partner to coordinate signals from other ligand bound ErbB receptors. Amplification and/or overexpression of ErbB2 have been reported in many cancers.
Product Categories/Family for HER2/ErbB2 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792096
NCBI GeneID	2064
NCBI Accession #	NP_004439.2
NCBI GenBank Nucleotide #	NM_004448.3
UniProt Accession #	P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3; X5D2V5
Molecular Weight	97,253 Da
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-2 isoform a
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; 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;
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/monoclonal/her2-erb2-recombinant-antibody-clone-blr241l-flow-cytometry-immunocytochemistry-immunohistochemistry-immunoprecipitation-western-blot-elisa/213657>