

Rabbit anti-Human HER3/ERBB3 Polyclonal Antibody | anti-ERBB3 antibody

Anti-HER3/ERBB3 Antibody, Rabbit Polyclonal

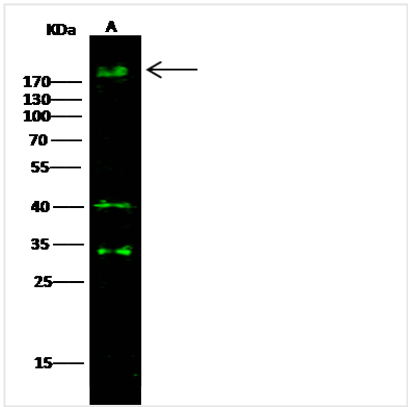
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254680	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

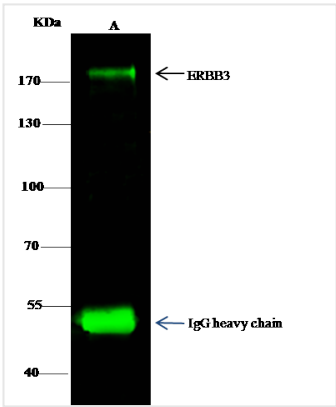
HER3/ERBB3; Polyclonal Antibody; Anti-HER3/ERBB3 Antibody; Rabbit Polyclonal; HER3/ErbB3 Antibody; Rabbit PAb; Antigen Affinity Purified; erb-b2 receptor tyrosine kinase 3; Anti-c-erbB-3 Antibody; Anti-c-erbB3 Antibody; Anti-EEBB3 Antibody; Anti-ErbB-3 Antibody; Anti-erbB3-S Antibody; Anti-HER3 Antibody; Anti-LCCS2 Antibody; Anti-MDA-BF-1 Antibody; Anti-p180-ErbB3 Antibody; Anti-p45-sErbB3 Antibody; Anti-p85-sErbB3 Antibody; anti-ERBB3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ErbB3/HER3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ERBB3 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human ErbB3 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human ErbB3 (rh ErbB3). ErbB3 specific IgG was purified by human ErbB3 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-ERBB3 rabbit polyclonal antibody at 1:500 dilutionLane A: HepG2 Membrane Lysate whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:148 kDaObserved band size:183 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)
ErbB3 was immunoprecipitated using:Lane A:0.5 mg MCF-7 Whole Cell Lysate0.5 uL anti-ErbB3 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-ErbB3 rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 148 kDaObserved band size: 183 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ERBB3 antibody	ErbB3, also known as Her3(human epidermal growth factor receptor3), is a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound glycoprotein has a neuregulin binding domain but has not an active kinase domain., and therefore can not mediate the intracellular signal transduction through protein phosphorylation. However, its heterodimer with ErbB2 or other EGFR members responsible for tyrosine phosphorylation forms a receptor complex with high affinity, and initiates the related pathway which lead to cell proliferation or differentiation. ErbB3 has been shown to implicated in numerous cancers, including prostate, bladder, and breast tumors. This protein has different isoforms derived from alternative splicing variants, and among which, the secreted isoform lacking the intermembrane region modulates the activity of membrane-bound form.
Product Categories/Family for anti-ERBB3 antibody	Cancer Drug Targets Receptor Tyrosine Kinases (RTKs)
References	Kraus M.H., et al., (1989), Isolation and characterization of ERBB3, a third member of the ERBB/epidermal growth factor receptor family: evidence for overexpression in a subset of human mammary tumors. Proc. Natl. Acad. Sci. U.S.A. 86:9193-9197. Plowman G.D., et al., (1990), Molecular cloning and expression of an additional epidermal growth factor receptor-related gene.Proc. Natl. Acad. Sci. U.S.A. 87:4905-4909. Kato M., et al., (1993), c-erbB3 gene encodes secreted as well as transmembrane receptor tyrosine kinase.Biochem. Biophys. Res. Commun. 192:1189-1197.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792100
NCBI GeneID	2065
NCBI Accession #	NP_001973.2
NCBI GenBank Nucleotide #	NM_001982.3
UniProt Accession #	P21860; Q9BUD7; A8K6L6; B4DIK7; B4DV32; E9PDT8
Molecular Weight	77,426 Da
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-3 isoform 1
NCBI Official Synonym Full Names	erb-b2 receptor tyrosine kinase 3
NCBI Official Symbol	ERBB3

NCBI Official Synonym Symbols	HER3; LCCS2; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; c-erbB-3; p180-ErbB3; p45-sErbB3; p85-sErbB3
NCBI Protein Information	receptor tyrosine-protein kinase erbB-3; proto-oncogene-like protein c-ErbB-3; human epidermal growth factor receptor 3; tyrosine kinase-type cell surface receptor HER3; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-3
UniProt Gene Name	ERBB3
UniProt Synonym Gene Names	HER3
UniProt Entry Name	ERBB3_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/her3-erbB3-antibody-immunoprecipitation-western-blot-elisa/254680>