

Rabbit ErbB 4 Polyclonal Antibody | anti-ERBB4 antibody

Anti-ErbB 4 antibody

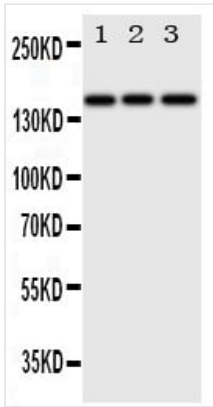
CATALOG # AAA45414	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

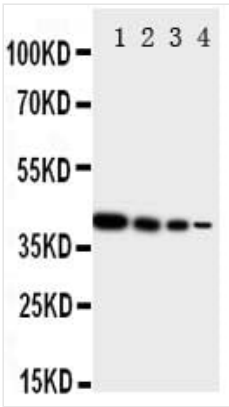
ErbB 4; Polyclonal Antibody; Anti-ErbB 4 antibody; Receptor tyrosine-protein kinase erbB-4; v-erb-a erythroblastic leukemia viral oncogene homolog 4(avian); 4ICD antibody; Avian erythroblastic leukemia viral oncogene homolog 4 antibody; Avian erythroblastic leukemia viral v erb b2 oncogene homolog 4 antibody; E4ICD antibody; EC 2.7.10.1 antibody; ErbB4 antibody; ERBB4 intracellular domain antibody; ERBB4_HUMAN antibody; HER 4 antibody; HER4 antibody; Mer4 antibody; MGC138404 antibody; Oncogene ERBB4 antibody; P180erbB4 antibody; Proto-oncogene-like protein c-ErbB-4 antibody; Receptor protein tyrosine kinase erbB 4 precursor antibody; Receptor tyrosine protein kinase erbB 4 antibody; s80HER4 antibody; Tyrosine kinase type cell surface receptor HER4 antibody; Tyrosine kinase-type cell surface receptor HER4 antibody; v erb a avian erythroblastic leukemia viral oncogene homolog like 4 antibody; v erb a erythroblastic leukemia viral oncogene homolog 4 antibody; v-erb-a erythroblastic leukemia viral oncogene homolog 4(avian) antibody; V-ERB-B2 avian erythroblastic leukemia viral oncogene homolog 4 antibody; Verba avian erythroblastic leukemia viral oncogene homolog like 4 antibody; Verba erythroblastic leukemia viral oncogene homolog 4 antibody; VERBB2 antibody; anti-ERBB4 antibody

PRODUCT SPECIFICATIONS

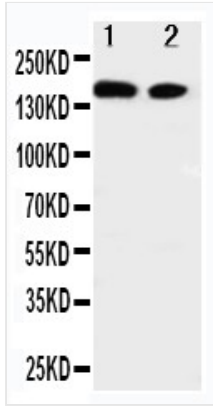
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1308
Applicable Applications for anti-ERBB4 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ErbB 4 (35-51aa KLSSLSDLQYRALK), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Anti-ErbB 4 antibody, AAA45414, Western blottingLane 1: HELA Cell LysateLane 2: U87 Cell LysateLane 3: NEURO Cell Lysate



WB (Western Blot)
Anti-ErbB 4 antibody, AAA45414, Western blottingRecombinant Protein Detection Source: E.coli derived -recombinant human ERBB4, 40.6KD(162aa tag+M1-P200)Lane 1: Recombinant Human ERBB4 Protein 10ngLane 2: Recombinant Human ERBB4 Protein 5ngLane 3: Recombinant Human ERBB4 Protein 2.5ngLane 4: Recombinant Human ERBB4 Protein 1.25ng



WB (Western Blot)
Anti-ErbB 4 antibody, AAA45414, Western blottingLane 1: A549 Cell LysateLane 2: HELA Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-ERBB4 antibody	Description: Rabbit IgG polyclonal antibody for Receptor tyrosine-protein kinase erbB-4(ERBB4) detection. Tested with WB in Human, Mouse, Rat. Background: ERBB4(V-erb-b2 avian erythroblastic leukemia viral oncogene homolog 4) also known as ONCOGENE ERBB4 or HER4, is an enzyme that in humans is encoded by the ERBB4 gene. The HER4/ERBB4 gene is a member of the type I receptor tyrosine kinase subfamily that includes EGFR, ERBB2 and ERBB3. The ERBB4 gene is mapped on 2q34. ERBB4 is a single-pass type I transmembrane protein with multiple furin-like cysteine rich domains, a tyrosine kinase domain, a phosphatidylinositol-3 kinase binding site and a PDZ domainbinding motif. Huang et al.(2000) reported that ERBB4 is enriched in the postsynaptic density and associates with PSD95. ERBB4 is a transmembrane receptor tyrosine kinase that regulates cell proliferation and differentiation. After binding its ligand, heregulin, or activation of protein kinase C by TPA, the ERBB4 ectodomain is cleaved by a metalloprotease. Ni et al.(2001)concluded that gamma-secretase cleavage of ERBB4 may represent another mechanism for receptor tyrosine kinase-mediated signaling.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3913590
NCBI GeneID	2066
UniProt Accession #	Q15303; Q2M1W1; Q59EW4; B7ZLD7; B7ZLE2; B7ZLE3

Molecular Weight	143,968 Da
NCBI Official Full Name	Receptor tyrosine-protein kinase erbB-4
NCBI Official Synonym Full Names	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 4
NCBI Official Symbol	ERBB4
NCBI Official Synonym Symbols	HER4; ALS19; p180erbB4
NCBI Protein Information	receptor tyrosine-protein kinase erbB-4; proto-oncogene-like protein c-ErbB-4; tyrosine kinase-type cell surface receptor HER4; v-erb-a erythroblastic leukemia viral oncogene homolog 4; avian erythroblastic leukemia viral (v-erb-b2) oncogene homolog 4
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-4
UniProt Gene Name	ERBB4
UniProt Synonym Gene Names	HER4; 4ICD; E4ICD
UniProt Entry Name	ERBB4_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/erbb-4-antibody-western-blot-elisa/45414>