

Rabbit anti-Human Phospho-ErbB2 (Y1222) Polyclonal Antibody | anti-ERBB2 antibody

Phospho-ErbB2 (Y1222) Antibody

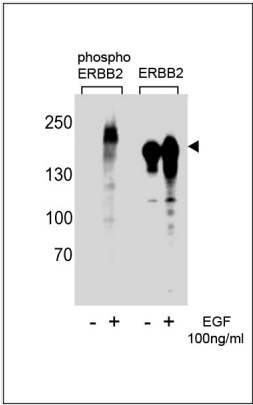
CATALOG # AAA289026	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

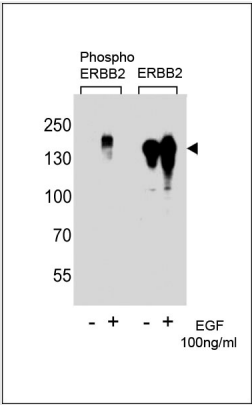
Phospho-ErbB2 (Y1222); Polyclonal Antibody; Phospho-ErbB2 (Y1222) Antibody; Receptor tyrosine-protein kinase erbB-2; Metastatic lymph node gene 19 protein; MLN 19; Proto-oncogene Neu; Proto-oncogene c-ErbB-2; Tyrosine kinase-type cell surface receptor HER2; p185erbB2; CD340; ERBB2; HER2; MLN19; NEU; NGL; anti-ERBB2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ERBB2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y1222 of human ERBB2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	887
Applicable Applications for anti-ERBB2 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of extracts from A431 cells, untreated or treated with EGF, 100 ng/ml, using phospho ErbB2-Y1222 (left) or ErbB2 antibody (right).



WB (Western Blot)
Western blot analysis of extracts from A431 cells, untreated or treated with EGF, 100 ng/ml, using phospho ErbB2-Y1222 (left) or ErbB2 antibody (right).

ADDITIONAL INFORMATION

Related Product Information for anti-ERBB2 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). Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization. In the nucleus is involved in transcriptional regulation. Associates with the 5'-TCAAATTC-3' sequence in the PTGS2/COX-2 promoter and activates its transcription. Implicated in transcriptional activation of CDKN1A; the function involves STAT3 and SRC. Involved in the transcription of rRNA genes by RNA Pol I and enhances protein synthesis and cell growth.
Product Categories/Family for anti-ERBB2 antibody	Crown Antibodies; Cancer; Signal Transduction; Phospho Antibodies
References	Ehsani A., et al. Genomics 15:426-429(1993). Yamamoto T., et al. Nature 319:230-234(1986). Coussens L., et al. Science 230:1132-1139(1985). Wakamatsu A., et al. Submitted (OCT-2007) to the EMBL/GenBank/DDBJ databases. Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792098
NCBI GeneID	2064
NCBI Accession #	NP_001005862.1; NP_004439.2
NCBI GenBank Nucleotide #	NM_001005862.2
UniProt Accession #	P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3; X5D2V5
Molecular Weight	137910
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-2 isoform b
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/phospho-erbb2-y1222-antibody-western-blot-elisa/289026>