

Rabbit anti-Human ERBB2/HER2 Polyclonal Antibody | anti-ERBB2 antibody

ERBB2/HER2 Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163184	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
-------------------------------	-----------------------	----------------------------	---

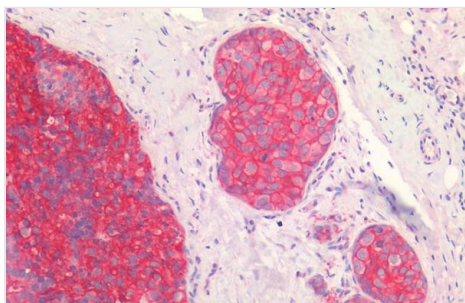
PRODUCT SYNONYMS

ERBB2/HER2; Polyclonal Antibody; ERBB2/HER2 Rabbit anti-Human Polyclonal Antibody; PathPlus ERBB2/HER2 Antibody; ERBB2; C-erb B2/neu protein; CD340; HER2; Herstatin; MLN 19; HER-2; Neu; NGL; Proto-oncogene c-ErbB-2; Proto-oncogene Neu; CD340 antigen; MLN19; p185erbB2; TKR1; anti-ERBB2 antibody

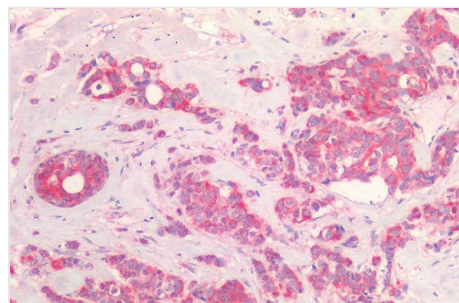
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ERBB2 antibody	IHC (Immunohistochemistry)
Target	Human ERBB2/HER2
Immunogen	LP-12771, synthetic peptide
Conjugation	Unconjugated
Family	Protein Kinase
Subfamily	EGF Receptor
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
ERBB2/HER2 Antibody-Human Breast, Carcinoma: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
ERBB2/HER2 Antibody-Human Breast, Carcinoma: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-ERBB2 antibody	HER2 antibody is an unconjugated rabbit polyclonal antibody to HER2 (ERBB2) from human. Validated for IHC. ERBB2 (HER2) is a tyrosine kinase/epidermal growth factor receptor that is overexpressed and mutated in approximately 10-20% of breast cancers. ERBB2 exhibits positive membranous staining in malignant cells, where it promotes cancer cell growth. It is associated with more aggressive tumors. Immunohistochemistry staining of ERBB2 is used alongside the proteins ER (estrogen receptor), PR (progesterone receptor) and Ki-67 to classify different subtypes of breast cancer, and it is a widely used prognostic marker for breast cancer, as levels of ERBB2 expression predict a patient's response to Herceptin therapy. It is also a relevant marker of poor prognosis for other cancers such as ovarian and gastric cancer, and it is mutated in a small percentage of non-small cell lung cancers. In immunohistochemistry, ERBB2 can show either cytoplasmic or membranous staining, but only membranous staining is relevant for cancer.
References	World Journal of Clinical Oncology. 2014 Aug; 5.3; 382-392, PMID: 25114853; PLoS One. 2018; 13(1): e0191972, PMID: 29381731; Pathogenesis. 2015. 2 (3): 1-9, DOI: 10.1016/j.pathog.2015.05.002; World J Gastroenterol. 2016 May 21; 22(19): 4619 -4625, PMID: 27217694

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792096
NCBI GeneID	2064
NCBI Accession #	NP_004439.2
NCBI GenBank Nucleotide #	NM_004448
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/erbb2-her2-antibody-immunohistochemistry-elisa/163184>