

Product Information

Anti-Human ErbB2 Protein A scaffold

Cat. No.: **AFB-01LY**

This product is for research use only and is not intended for diagnostic use.

Antigen Description

Chromosomal aberrations involving ERBB2 may be a cause gastric cancer. Deletions within 17q12 region producing fusion transcripts with CDK12, leading to CDK12-ERBB2 fusion leading to truncated CDK12 protein not in-frame with ERBB2.

Specific Activity

This product binds to the extracellular domain of human ErbB2. A head-to-tail dimer through its peptide bond.

Source

Display library

Species Reactivity

Human

Expression Host

E. coli

Storage

Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[ERBB2v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastomaderived oncogene homolog \(avian\)](#)
[\[Homo sapiens \]](#)

Official Symbol

ERBB2

Synonyms

NEU; NGL; HER2; TKR1; CD340; HER-2; HER-2/neu; EC 2.7.10.1; C-erbB-2; erbB-2; c-erb B2/neu protein; erbB-2; herstatin; neuroblastoma/glioblastoma derived oncogene homolog; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); NEU proto-oncogene; MLN 19; CD340 antigen; ERBB2

Gene ID

[2064](#)

mRNA Refseq

[NM_001005862](#)

Protein Refseq

[NP_001005862](#)

MIM

[164870](#)

UniProt ID

P04626

Chromosome Location

17q21.1

Pathway

Adherens junction; Calcium signaling pathway; Dorso-ventral axis formation Endometrial cancer; ErbB signaling pathway; Focal adhesion; Non-small cell lung cancer; Pancreatic cancer; Prostate cancer.

Function

ATP binding; DNA binding; ErbB-3 class receptor binding; Hsp90 protein binding; RNA polymerase I core binding; epidermal growth factor-activated receptor activity; glycoprotein binding; contributes to growth factor binding; nucleotide binding; protein C-terminus binding; protein binding; protein dimerization activity; protein heterodimerization activity; protein phosphatase binding; protein tyrosine kinase activity; receptor activity; receptor signaling protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity; transmembrane signaling receptor activity; ubiquitin protein ligase binding.