

ERBB2 Antibody Polyclonal

Herstatin, Rabbit Anti Human Polyclonal
ABP0010

Product Overview

Name ERBB2 Antibody Polyclonal

Description

Herstatin, Rabbit Anti Human Polyclonal

Synonyms

NEU, NGL, HER2, TKR1, HER-2, c-erb B2, HER-2/neu, Receptor tyrosine-protein kinase erbB-2, EC 2.7.10.1, p185erbB2, C-erbB-2, NEU proto-oncogene, Tyrosine kinase-type cell surface receptor HER2, MLN 19, CD340 antigen.

Introduction

HER-2/neu (erbB-2) encodes an 185-kDa orphan receptor tyrosine kinase that is constitutively active as a dimer and displays potent oncogenic activity when overexpressed. Herstatin, as the product of alternative HER-2 transcript, retains intron 8. The herstatin mRNA is expressed in normal human fetal kidney and liver, but is at reduced levels relative to p185HER-2 mRNA in carcinoma cells that contain an amplified HER-2 gene. Herstatin appears to be an inhibitor of p185HER-2, because it disrupts dimers, reduces tyrosine phosphorylation of p185, and inhibits the anchorage-independent growth of transformed cells that overexpress HER-2.

Source

Escherichia Coli.

Physical Appearance

Filtered colorless solution.

Formulation

The ErbB-2 filtered (0.4 µm) solution in 0.05M Acetate buffer pH-4 and 5% trehalose.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

M TQVCTGTD M KLRLPASPET HLDMLRHLYQ GCQVVQGNLE LTYLPTNASL SFLQDIQEVQ GYVLIAHNQV
RQVPLQRLRI VRGTQLFEDN YALAVLDNGD PLNNTTPVTG ASPGGLRELQ LRSLTEILKG GVLIQRNPQL

CYQDTILWKD IFHKNNQLAL TLIDTNRSRA CHPCSPMCKG SRCWGRESSED CQSLTRTVCA GGCARCKGPL
PTDCCHEQCA AGCTGPKHSD CLACLHFNHS GICELHCPAL VTYNTDTFES MPNPEGRTYTF GASCVTACPY
NYLSTDVGSC TLVCPLHNQE VTAEDGTQRC EKCSKPCARG THSLPPRPAA VPVPLRMQPG PAHPVLSFLR
PSWDLVSAFY SLPLAPLSPT SVPISPVSVG RGPDPDAHVA VDLSRYEG.

Precautions

ERBB2 Antibody Polyclonal is for research use only and not for use in diagnostic or therapeutic procedures.