BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Neu Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05901
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human HER2. AA range:1111-1160
Mol wt	137910
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IF, ELISA
Concentration	1 mg/ml
Full name	Neu Antibody
Synonyms	ERBB2; HER2; MLN19; NEU; NGL; 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 rec

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

ERBB2 encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. Erb-b2 receptor tyrosine kinase 2 has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of ERBB2 has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized.

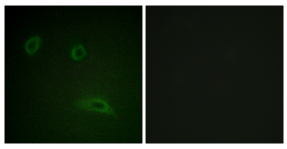
Recommended Dilution

IF: 1: 200 - 1: 1000

ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunofluorescence analysis of HeLa cells, using HER2 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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