

Neu(Phospho Tyr1221/Y1222) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP11822
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Neu (phospho Tyr1221/Y1222)
Mol wt	137910
Species reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Receptor tyrosine-protein kinase erbB-2
Synonyms	Receptor tyrosine-protein kinase erbB-2; 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 receptor HER2; p185erbB2; CD antigen CD340

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

Background

This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein 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 this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding d

Recommended Dilution

WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

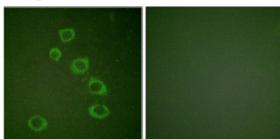
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

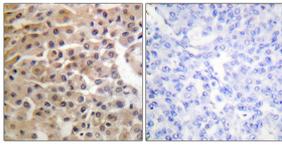
ELISA: 1: 40000

Not yet tested in other applications.

Images



Immunofluorescence analysis of HuvEc cell, using HER2 (Phospho-Tyr1221+Tyr1222) Antibody. The lane on the right is blocked with the HER2 (Phospho-Tyr1221+Tyr1222) peptide.



Immunohistochemistry analysis of paraffin-embedded human breast cancer, using HER2 (Phospho-Tyr1221+Tyr1222) Antibody. The picture on the right is blocked with the HER2 (Phospho-Tyr1221+Tyr1222) peptide.



Western Blot analysis of various cells using Phospho-Neu (Y1221/Y1222) Polyclonal Antibody

Storage

-20°C for 1 year

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