

## Neu Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05907
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HER2. AA range:641-690
<b>Mol wt</b>	137910
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Neu Antibody
<b>Synonyms</b>	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. Receptor tyrosine-protein kinase erbB-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 this gene 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

WB: 1: 500 - 1: 2000

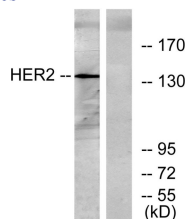
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

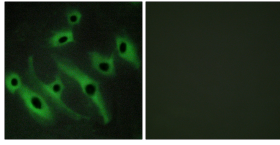
ELISA: 1: 20000

Not yet tested in other applications.

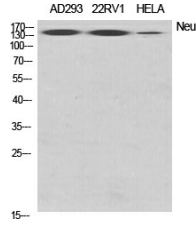
### Images



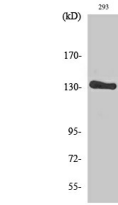
Western blot analysis of lysates from 293 cells, using HER2 Antibody. The lane on the right is blocked with the synthesized peptide.



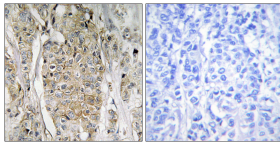
Immunofluorescence analysis of HeLa cells, using HER2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Neu Polyclonal Antibody diluted at 1:2000



Western Blot analysis of 293 cells using Neu Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using HER2 Antibody. The picture on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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