

**Anti-Phospho-ErbB2(Y1221 + Y1222) Rabbit Monoclonal Antibody**  
Catalog # ABO16672**Specification****Anti-Phospho-ErbB2(Y1221 + Y1222) Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P04626</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Phospho-ErbB2(Y1221 + Y1222) Rabbit Monoclonal Antibody . Tested in WB applications. This antibody reacts with Human.

**Anti-Phospho-ErbB2(Y1221 + Y1222) Rabbit Monoclonal Antibody - Additional Information**

Gene ID 2064

**Other Names**

Receptor tyrosine-protein kinase erbB-2, 2.7.10.1, Metastatic lymph node gene 19 protein, MLN 19, Proto-oncogene Neu, Proto-oncogene c-ErbB-2, Tyrosine kinase-type cell surface receptor HER2, p185erbB2, CD340, ERBB2, HER2, MLN19, NEU, NGL

**Application Details**

WB 1:500-1:2000

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Phospho-ErbB2(Y1221 + Y1222)

**Purification**

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-Phospho-ErbB2(Y1221 + Y1222) Rabbit Monoclonal Antibody - Protein Information**

Name ERBB2

**Synonyms** HER2, MLN19, NEU, NGL

### Function

Protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Regulates outgrowth and stabilization of peripheral microtubules (MTs). Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization.

### Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell projection, ruffle membrane; Single-pass type I membrane protein. Note=Internalized from the cell membrane in response to EGF stimulation. [Isoform 2]: Cytoplasm. Nucleus.

### Tissue Location

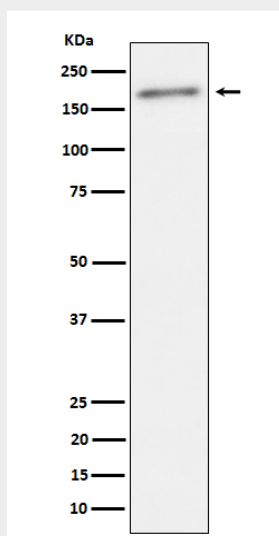
Expressed in a variety of tumor tissues including primary breast tumors and tumors from small bowel, esophagus, kidney and mouth.

## Anti-Phospho-ErbB2(Y1221 + Y1222) Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-Phospho-ErbB2(Y1221 + Y1222) Rabbit Monoclonal Antibody - Images



Western blot analysis of Phospho-ErbB2(Y1221 + Y1222) expression in SKBR3 cell lysate.