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# Phospho-ErbB2(Y1221 + Y1222) Antibody
**Rabbit mAb**
**Catalog # AP93147**

## Specification

### Phospho-ErbB2(Y1221 + Y1222) Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | P04626 |
| Clonality | **Monoclonal** |

**Other Names**
CD340; CerbB2; Erb b2 receptor tyrosine kinase 2; ERBB2; HER2; Herstatin; Human epidermal growth factor receptor 2; MLN19; NEU; NGL; Proto-oncogene Neu; Receptor tyrosine-protein kinase erbB-2; Tyrosine kinase type cell surface receptor HER2; V erb b2 avian erythroblastic leukemia viral oncogene homolog 2; V erb b2 avian erythroblastic leukemia viral oncoprotein 2;

| | |
|---|---|
| Isotype | **Rabbit IgG** |
| Host | **Rabbit** |
| Calculated MW | **137910 Da** |

### Phospho-ErbB2(Y1221 + Y1222) Antibody - Additional Information

| | |
|---|---|
| Purification | **Affinity-chromatography** |
| Immunogen | **A synthesized peptide derived from human Phospho-ErbB2(Y1221 + Y1222)** |
| Description | **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.** |
| Storage Condition and Buffer | **Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.** |

### Phospho-ErbB2(Y1221 + Y1222) 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.

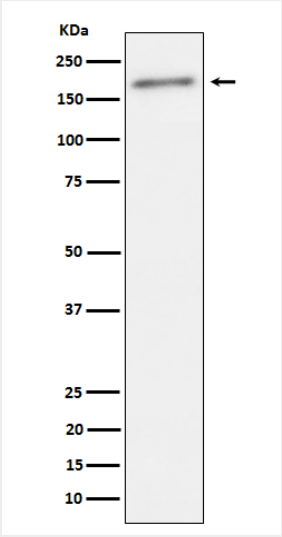
**Tissue Location**
Expressed in a variety of tumor tissues including primary breast tumors and tumors from small bowel, esophagus, kidney and mouth.

## Phospho-ErbB2(Y1221 + Y1222) 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 Cytomety
- Cell Culture

## Phospho-ErbB2(Y1221 + Y1222) Antibody - Images




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