

## 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. 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

Storage Condition and Buffer

#### **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



Tel: 858.875.1900 Fax: 858.875.1999

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**

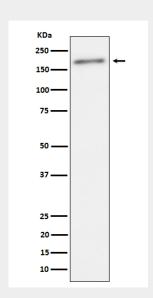
Expressed in a variety of tumor tissues including primary breast tumors and tumors from small bowel, esophagus, kidney and mouth.

### 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
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

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



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