

Phosoho-ErbB 2/EGFR (Tyr1248/Tyr1173) Rabbit mAb
Catalog # AP74962**Specification****Phosoho-ErbB 2/EGFR (Tyr1248/Tyr1173) Rabbit mAb - Product Information**

Application	WB, IP
Primary Accession	P04626
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	137910

Phosoho-ErbB 2/EGFR (Tyr1248/Tyr1173) Rabbit mAb - Additional Information**Gene ID** 2064**Other Names**
ERBB2**Dilution**
WB~~1/500-1/1000
IP~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**Phosoho-ErbB 2/EGFR (Tyr1248/Tyr1173) Rabbit mAb - 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-ErbB 2/EGFR (Tyr1248/Tyr1173) Rabbit mAb - 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](#)

Phospho-ErbB 2/EGFR (Tyr1248/Tyr1173) Rabbit mAb - Images