HER2 (Phospho-Tyr1112) Antibody

E11-8039A

Catalog Number: E11-8039A

Concentration: 1mg/ml

Swiss-Prot No.: P04626

Other Names: C-erbB-2; EC 2.7.10.1; Epidermal growth factor receptor-related protein; ErbB2; HER2; kinase ErbB2; MLN 19; NEU; NEU proto-oncogene; NGL; p185erbB2; Receptor protein-tyrosine kinase erbB-2; Receptor protein-tyrosine kinase erbB-2 precursor; Tyrosine kinase-type cell surface receptor HER2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)

All Sites: Human: Tyr1112; Mouse: Tyr1113; Rat: Tyr1114

Storage/Stability: Store at -20 ãC/1 ye

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human HER2 around the phosphorylation site of tyrosine 1112 (Q-R-Y^{P}-S-E).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

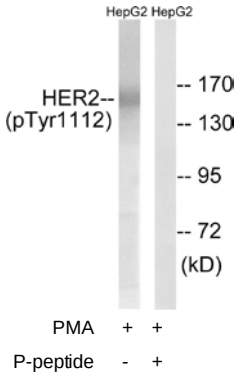
Specificity: HER2 (Phospho-Tyr1112) antibody detects endogenous levels of HER2 only when phosphorylated at serine 385.

Reactivity: Human (Identities = 100%, Positives = 100%);
Mouse (Identities = 92%, Positives = 92%);
Rat (Identities = 92%, Positives = 92%)

Applications: WB: 1:500~1:1000 ELISA: 1:10000

References:

Yamamoto T., Nature 319:230-234(1986).
Coussens L., Science 230:1132-1139(1985).
Tal M., Mol. Cell. Biol. 7:2597-2601(1987).



Western blot analysis of extracts from HepG2 cells, treated with PMA (125ng/ml, 20mins), using HER2 (Phospho-Tyr1112) antibody.

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