HER2 (Phospho-Tyr1221/Tyr1222) Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 43076

Format: 100ul at 1.0mg/ml in PBS (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide-reactive antibodies were removed by chromatography on non-phosphorylated peptide.

BACKGROUND

HER2 is a member of the human epidermal growth factor receptor (HER/EGFR/ERBB) family. Amplification or over-expression of this oncogene has been shown to play an important role in the development and progression of certain aggressive types of breast cancer. In recent years HER2 has become an important biomarker and target of therapy for approximately 30% of breast cancer patients.

SPECIFICATION SUMMARY

Antigen: Peptide sequence that includes phosphorylation site of tyrosine 1221/1222 (N-L-Y(p)-Y(p)-W) derived from human HER2 and conjugated to KLH.

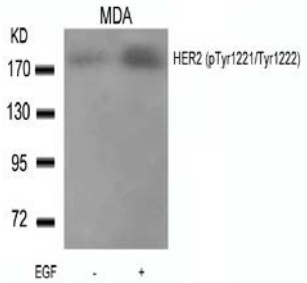
Host Species: Rabbit

Specificity: This antibody detects endogenous human HER2 only when phosphorylated at tyrosine 1221/1222.

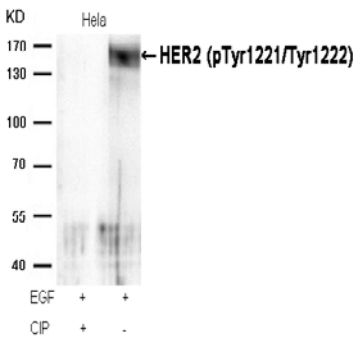
Accession no.: P04626, NP_001005862.1

APPLICATIONS

Immunoblotting: use at dilution of 1:500-1:1,000. A band of ~185kDa is detected.

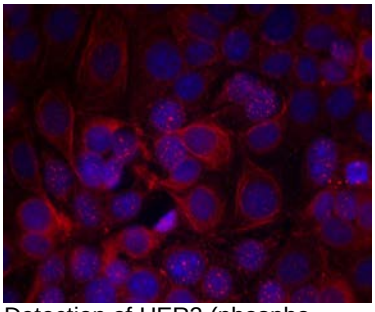


Detection of HER2 (phospho-Tyr1221/1222) in extracts of MDA cells untreated or treated with EGF.



Detection of HER2 (phospho-Tyr1221/1222) in extracts of HeLa cells treated with EGF or calf intestinal phosphatase (CIP).

Immunofluorescence: use at dilution of 1:100-1:200.



Detection of HER2 (phospho-Tyr1221/1222) in methanol-fixed MCF-7 cells.

These are recommended working dilutions. Endusers should determine optimal dilutions for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

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STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Can be stored at 4°C for short-term.

For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.

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