

HER2(Phospho-Tyr877) Antibody

Catalog No: #11075

Package Size: #11075-1 50ul #11075-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

| | |
|-----------------------|---|
| Product Name | HER2(Phospho-Tyr877) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications | WB IHC IF |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous level of HER2 only when phosphorylated at tyrosine 877. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 877 (T-E-Y(p)-H-A) derived from Human HER2. |
| Target Name | HER2 |
| Modification | Phospho |
| Other Names | C-erbB-2; ErbB2; |
| Accession No. | Swiss-Prot: P04626NCBI Protein: NP_001005862.1 |
| Uniprot | P04626 |
| GeneID | 2064; |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

Application Details

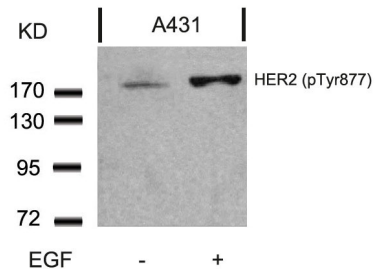
Predicted MW: 185kd

Western blotting: 1:500~1:1000

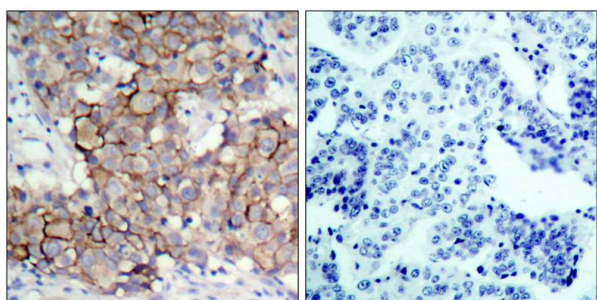
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

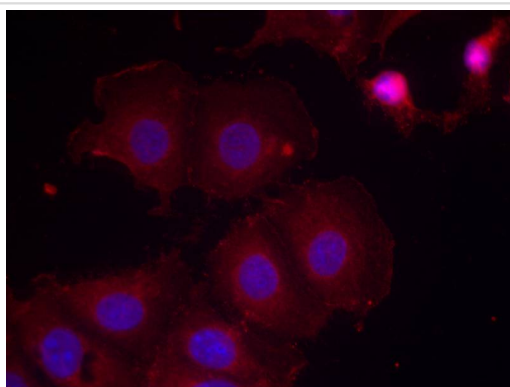
Images



Western blot analysis of extracts from A431 cells untreated or treated with EGF using HER2(Phospho-Tyr877) Antibody #11075.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using HER2(Phospho-Tyr877) Antibody #11075(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF7 cells using HER2(Phospho-Tyr877) Antibody #11075.

Background

Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Not activated by EGF, TGF- α and amphiregulin.

Dittadi, R. et al. (2000) J. Natl. Cancer Inst. 92, 1443-1444.

Muthuswamy, S. K. et al. (1999) Mol. Cell. Biol. 19, 6845-6857.

Qian, X. et al. (1994) Proc. Natl. Acad. Sci. USA 91, 1500-1504.

Note: This product is for in vitro research use only