Product Datasheet

HER2(Phospho-Tyr877) Antibody

Catalog No: #11075

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

Orders: order@signalwayantibody.com
Support: 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 chromatogramphy 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
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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

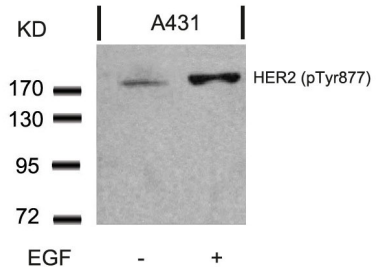
Predicted MW: 185kd

Western blotting: 1:500~1:1000

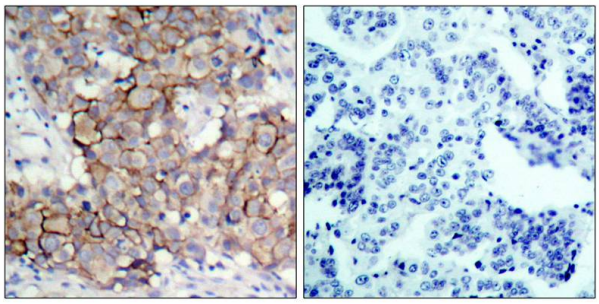
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

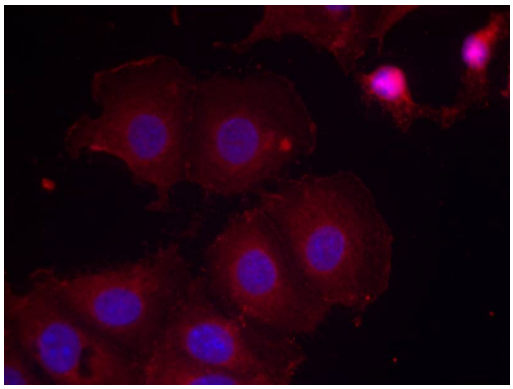
Images



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-a 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.

Published Papers

M.Alicia Corte?s, Ariel E.Cariaga-Martinez, Mar??a V.T.Lobo el at., EGF promotes neuroendocrine-like differentiation of prostate cancer cells in the presence of LY294002 through increased ErbB2 expression independent of the phosphatidylinositol 3-kinase-AKT pathway, Carcinogenesis, vol.33 no.6 pp.1169η— C1177 (2012)

PMID:22461520

el at., EGF promotes neuroendocrine-like differentiation of prostate cancer cells in the presence of LY294002 through increased ErbB2 expression independent of the

phosphatidylinositol 3-kinase-AKT pathway. In Carcinogenesis on 2012 Jun by Javier Angulo, Pilar Lθ˝Epez-Ruiz, et al..PMID: 22461520, , (2012)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.