

HER2(Phospho-Tyr1221/Tyr1222) Antibody

Catalog No: #11076



Package Size: #11076-1 50ul #11076-2 100ul

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Description

Product Name	HER2(Phospho-Tyr1221/Tyr1222) 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 IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of HER2 only when phosphorylated at tyrosine1221/tyrosine1222.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine1221/1222 (N-L-Y(p)-Y(p)-W) 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.

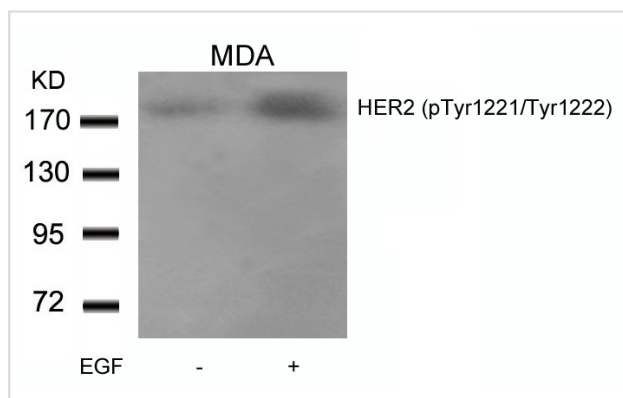
Application Details

Predicted MW: 185kd

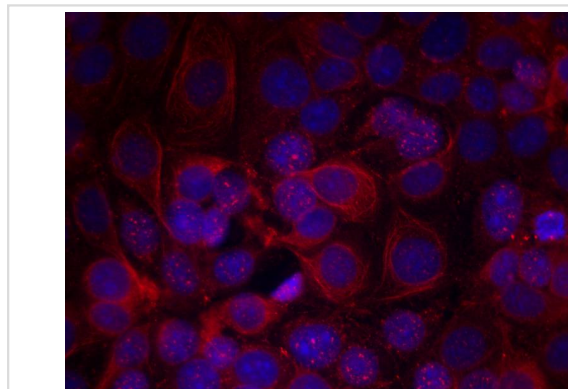
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from MDA cells untreated or treated with EGF using HER2(Phospho-Tyr1221/Tyr1222) Antibody #11076.



Immunofluorescence staining of methanol-fixed MCF cells using HER2(Phospho-Tyr1221/Tyr1222) Antibody #11076.



Western blot analysis of extracts from HeLa cells, treated with EGF or calf intestinal phosphatase (CIP), using HER2 (Phospho-Tyr1221/Tyr1222) Antibody #11076.

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.

Marone R, et al. (2004) Nat Cell Biol; 6(6): 515-22.

Ren Z, et al. (2002) J Biol Chem; 277(41): 38486-93.

Note: This product is for in vitro research use only