

Datasheet for ABIN7139094

anti-ErbB2/Her2 antibody (pTyr1221, pTyr1222)



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3 Images

Overview

Quantity:	100 µL
Target:	ErbB2/Her2
Binding Specificity:	pTyr1221, pTyr1222
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ErbB2/Her2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine1221/1222 (N-L-Y(p)-Y(p)-W) derived from Human HER2.
Isotype:	IgG
Cross-Reactivity:	Human
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

Target Details

Target:	ErbB2/Her2
Alternative Name:	ERBB2 (ErbB2/Her2 Products)

Target Details

Background:	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. Aliases: Verb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog antibody, C erb B2/neu protein antibody, CD340 antibody, CD340 antigen antibody, Cerb B2/neu protein antibody, CerbB2 antibody, Erb b2 receptor tyrosine kinase 2 antibody, ErbB-2 proto-oncogene antibody, ERBB2 antibody, ERBB2_HUMAN antibody, HER 2 antibody, HER 2/NEU antibody, HER2 antibody, Herstatin antibody, Human epidermal growth factor receptor 2 antibody, Metastatic lymph node gene 19 protein antibody, MLN 19 antibody, MLN19 antibody, NEU antibody, NEU proto oncogene antibody, Neuro/glioblastoma derived oncogene homolog antibody, Neuroblastoma/glioblastoma derived oncogene homolog antibody, NGL antibody, p185erbB2 antibody, Proto-oncogene c-ErbB-2 antibody, Proto-oncogene Neu antibody, Receptor tyrosine-protein kinase erbB-2 antibody, TKR1 antibody, Tyrosine kinase type cell surface receptor HER2 antibody, Tyrosine kinase-type cell surface receptor HER2 antibody, V erb b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog) antibody, V erb b2 avian erythroblastic leukemia viral oncogene homolog 2 antibody, V erb b2 avian erythroblastic leukemia viral oncoprotein 2 antibody, V erb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) antibody, V erb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog antibody, Verb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) antibody
UniProt:	P04626
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Skeletal Muscle Fiber Development

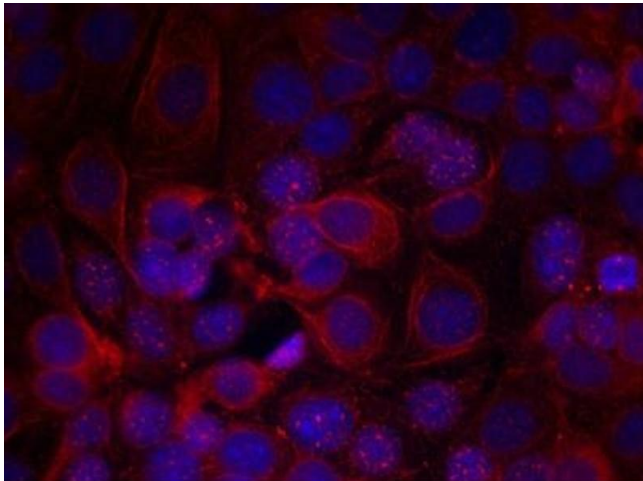
Application Details

Application Notes:	WB:1:500-1:1000, IF:1:100-1:200,
Restrictions:	For Research Use only

Handling

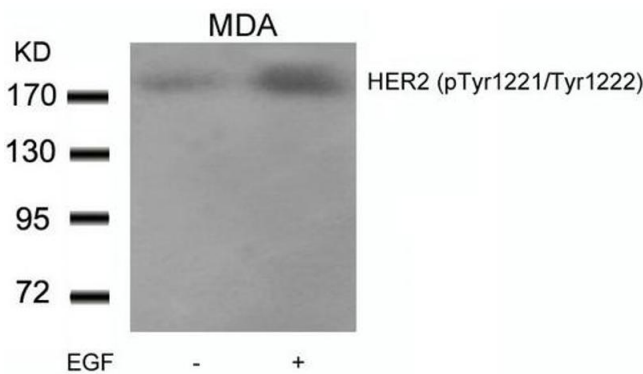
Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



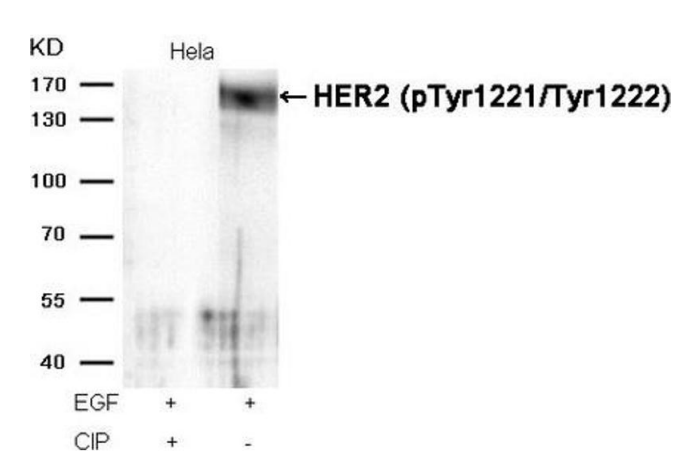
Immunofluorescence

Image 1. Immunofluorescence staining of methanol-fixed MCF cells using HER2(Phospho-Tyr1221/Tyr1222) Antibody.



Western Blotting

Image 2. Western blot analysis of extracts from MDA cells untreated or treated with EGF using HER2(Phospho-Tyr1221/Tyr1222) Antibody.



Western Blotting

Image 3. Western blot analysis of extracts from HeLa cells, treated with EGF or calf intestinal phosphatase (CIP), using HER2 (Phospho-Tyr1221/Tyr1222) Antibody.