

Datasheet for ABIN1539785  
**anti-ErbB2/Her2 antibody (pTyr1127)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	400 µL
Target:	ErbB2/Her2
Binding Specificity:	pTyr1127
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Dot Blot (DB)

## Product Details

Immunogen:	This ERBB2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y1127 of human ERBB2.
Clone:	RB40080
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	ErbB2/Her2
Alternative Name:	ERBB2 ( <a href="#">ErbB2/Her2 Products</a> )
Background:	This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family

## Target Details

members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized.

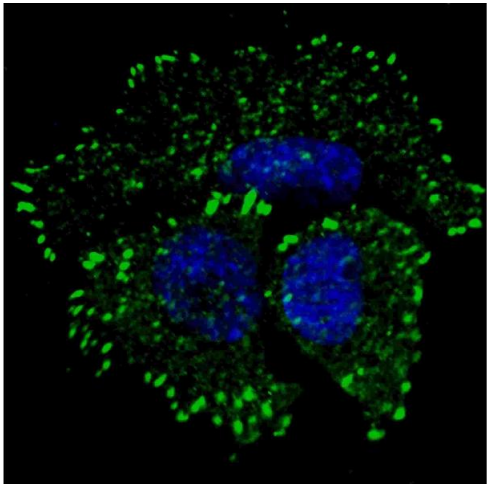
Molecular Weight:	137910
Gene ID:	2064
NCBI Accession:	<a href="#">NP_001005862</a> , <a href="#">NP_004439</a>
UniProt:	<a href="#">P04626</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	IF: 1:100. WB: 1:5000. WB: 1:1000. DB: 1:500
Restrictions:	For Research Use only

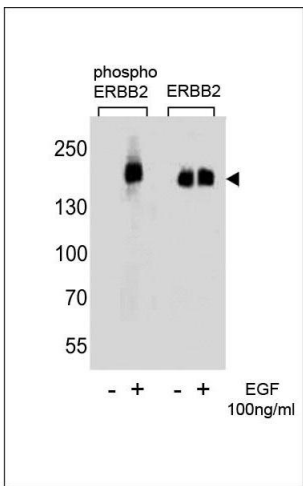
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Phospho-ERBB2-Y1127 Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



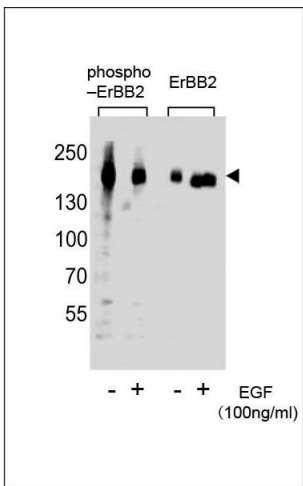
### Immunofluorescence

**Image 1.** Fluorescent confocal image of MCF7 cells stained with phospho-ERBB2- antibody. MCF7 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.2 %, 30 min). Cells were then incubated with j phospho-ERBB2- primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 µg/mL, 5 min). Note the highly specific localization of the phospho-ERBB2- to the plasma membrane and cytoplasm.



### Western Blotting

**Image 2.** Western blot analysis of extracts from A431 cells, untreated or treated with EGF, 100 ng/mL, using phospho ERBB2- (left) or ERBB2 Antibody (right)



### Western Blotting

**Image 3.** Western blot analysis of extracts from A431 cells, untreated or treated with EGF, 100 ng/mL, using Phospho-ERBB2- or ERBB2 Antibody (right).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1539785.