

# Phospho-ErbB3/HER3-Y1289 Rabbit mAb

Catalog No.: AP1415 **Recombinant**

## Basic Information

**Observed MW**

185kDa/200kDa

**Calculated MW**

148kDa

**Category**

Primary antibody

**Applications**

ELISA,WB

**Cross-Reactivity**

Human

**CloneNo number**

ARC58831

## Background

This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However, it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and/or overexpression of its protein have been reported in numerous cancers, including prostate, bladder, and breast tumors. Alternate transcriptional splice variants encoding different isoforms have been characterized. One isoform lacks the intermembrane region and is secreted outside the cell. This form acts to modulate the activity of the membrane-bound form. Additional splice variants have also been reported, but they have not been thoroughly characterized.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

**Gene ID**

2065

**Swiss Prot**

P21860

**Immunogen**

A synthetic phosphorylated peptide around Y1289 of human ErbB3

**Synonyms**

HER3; FERLK; LCCS2; VSCN1; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; c-erbB-3; p180-ErbB3; p45-sErbB3; p85-sErbB3; Phospho-ErbB3/HER3-Y1289

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

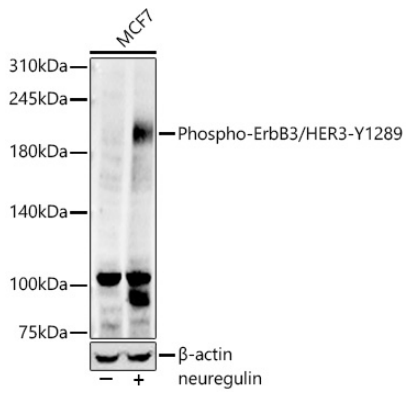
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of lysates from MCF7 cells, using Phospho-ErbB3/HER3-Y1289 Rabbit mAb (AP1415) at 1:1000 dilution. MCF7 cells were treated by neuregulin at 37°C for 15 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 45s.