

For Research Use Only

Phospho-HER2/ErbB2 (Tyr1248) Recombinant monoclonal antibody

Catalog Number: 87096-1-RR



Basic Information

Catalog Number:

87096-1-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC156755

GeneID (NCBI):

2064

UNIPROT ID:

P04626

Full Name:

v-erb-b2 erythroblastic leukemia
viral oncogene homolog 2,
neuro/glioblastoma derived
oncogene homolog (avian)

Calculated MW:

1255 aa, 138 kDa

Observed MW:

185 kDa

Purification Method:

Protein A purification

CloneNo.:

252184A1

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : human Neuregulin-1 treated T-47D cells,

Background Information

HER2, also known as ErbB2 and Neu, is a 185-kDa transmembrane glycoprotein that is a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. Phospho-HER2/ErbB2 (Tyr1248) is a phosphorylated form of the HER2 protein, which is a member of the epidermal growth factor receptor (EGFR) family. This phosphorylation event is considered a prerequisite for HER2 signaling and its transforming activity. The phosphorylation of HER2 at Tyr1248 residue is a key step in the activation of downstream signaling cascades that regulate various cellular processes, including cell growth, proliferation, and survival. Tyrosine 1248 is the main autophosphorylation site in the carboxy terminal domain of ErbB2 linked to downstream signaling through the ras-raf-MEK-p42/44 MAPK signal transduction pathway. (PMID: 19084911)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

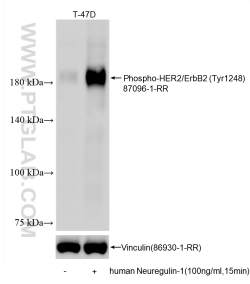
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Non-treated T-47D cells and human Neuregulin-1 treated T-47D cells were subjected to SDS PAGE followed by western blot with 87096-1-RR (Phospho-HER2/ErbB2 (Tyr1248) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Vinculin (86930-1-RR) antibody as a loading control.