

For Research Use Only

Phospho-HER2/ErbB2 (Tyr1196) Recombinant monoclonal antibody

Catalog Number: 87205-1-RR



Basic Information

Catalog Number:

87205-1-RR

Size:

100ul, Concentration: 1000 µg/ml by 2064
Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004448

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.:

252284B12

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : human Neuregulin-1 treated T-47D cells, human
Neuregulin-1 treated MCF-7 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 (Tyr1196) is a phosphorylated form of the HER2 protein, which is a receptor tyrosine kinase that plays a critical role in cell growth, proliferation, and survival. The phosphorylation of HER2 at Tyr1196 is associated with the activation of downstream signaling pathways. In breast cancer, HER2 is overexpressed and contributes to aggressive tumor growth and poor prognosis. Overexpression of Her2/ErbB2/Neu in cancer is often correlated with recurrent distant metastasis, although the mechanism still remains largely elusive. Tyr1139/Tyr1196 are autonomously phosphorylated, when Her2 is overexpressed. (PMID: 21966491)

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

*** 20ul sizes contain 0.1% BSA

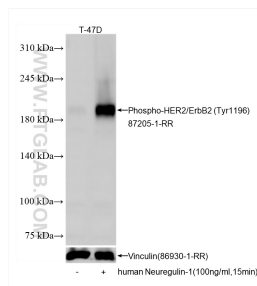
For technical support and original validation data for this product please contact:

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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 87205-1-RR (Phospho-HER2/ErbB2 (Tyr1196) antibody) at dilution of 1:5000 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.