

For Research Use Only

Phospho-ErbB3/HER3 (Tyr1197) Recombinant monoclonal antibody

Catalog Number: 87133-1-RR



Basic Information

Catalog Number:

87133-1-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001982

GeneID (NCBI):

2065

UNIPROT ID:

P21860

Full Name:

v-erb-b2 erythroblastic leukemia
viral oncogene homolog 3 (avian)

Calculated MW:

148 kDa

Observed MW:

185 kDa

Purification Method:

Protein A purification

CloneNo.:

252296B2

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

V-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (ErbB-3, HER3) is a member of the EGF receptor tyrosine kinase family including EGFR (HER1), Neu (ErbB-2, HER2), ErbB-3 (HER3), and ErbB-4 (HER4) that are frequently overexpressed in a variety of carcinomas. Phospho-ErbB3/HER3 (Tyr1197) is a phosphorylated form of the epidermal growth factor receptor 3 (EGFR3), also known as HER3. HER3 lacks tyrosine kinase activity itself, but becomes phosphorylated at tyrosine residues after forming heterodimers with other ErbB proteins such as HER2. The HER2/HER3 dimer is a potent activator of growth signaling pathways including MAPK. This phosphorylation event is involved in signal transduction pathways related to cell growth, proliferation, and survival. (PMID: 35625984)

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:

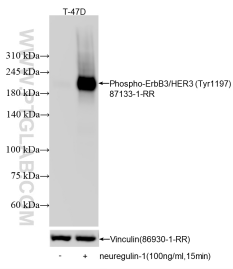
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Selected Validation Data



Non-treated T-47D cells and human Neuregulin-1 treated T-47D cells were subjected to SDS PAGE followed by western blot with 87133-1-RR (Phospho-ErbB3/HER3 (Tyr1197) 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.