For Research Use Only

Phospho-ErbB3/HER3 (Tyr1197) Recombinant monoclonal antibody, PBS Only

Catalog Number:87133-1-PBS

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Basic Information

Catalog Number:
87133-1-PBS

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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

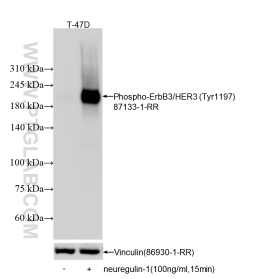
V-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (ErbB-3, HER3) is a member of the EGF receptor tyrosine kinase family including EGFR (HER1), Neu (ErbB-2, HER2), ErbB-3 (HER3), and ErbB-4 (HER4) that are frequently overexpressed in a variety of carcinomas. Phospho-ErbB3/HER3 (Tyr1197) is a phosphorylated 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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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. This data was developed using the same antibody clone with 87133-1-PBS in a different storage buffer formulation.