

For Research Use Only

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



Catalog Number: 87133-1-PBS

Basic Information

Catalog Number: 87133-1-PBS	GenBank Accession Number: NM_001982	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2065	CloneNo.: 252296B2
Source: Rabbit	UNIPROT ID: P21860	
Isotype: IgG	Full Name: v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	
	Calculated MW: 148 kDa	
	Observed MW: 185 kDa	

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

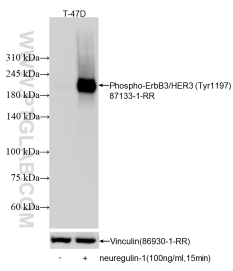
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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