

For Research Use Only

Phospho-HER2/ErbB2 (Tyr1196) Recombinant monoclonal antibody, PBS Only

Catalog Number: 87205-1-PBS



Basic Information

Catalog Number: 87205-1-PBS	GenBank Accession Number: NM_004448	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2064	CloneNo.: 252284B12
Source: Rabbit	UNIPROT ID: P04626	
Isotype: IgG	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	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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

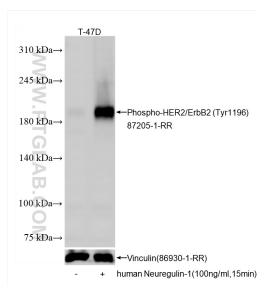
Storage:
Store at -80°C.

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)
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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. This data was developed using the same antibody clone with 87205-1-PBS in a different storage buffer formulation.