

For Research Use Only

# Phospho-HER2/ErbB2 (Tyr877) Recombinant monoclonal antibody, PBS Only

Catalog Number:**82762-11-PBS**



## Basic Information

Catalog Number:	82762-11-PBS	GenBank Accession Number:	BC156755	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	2064	CloneNo.:	250539F5
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, IF/ICC, FC (Intra), 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 (Tyr877) refers to the phosphorylated form of the human epidermal growth-factor receptor 2 (HER2, ErbB2) at tyrosine 877 within its kinase domain. This phosphorylation event is catalyzed in trans by dimerization-activated HER2 itself or by Src-family kinases (SFKs) upon receptor clustering, and serves as a critical activation switch for downstream signaling cascades. ( PMID: 34107301 )

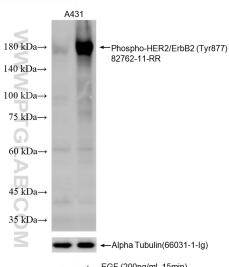
## Storage

Storage:  
Store at -80°C.  
Storage Buffer:  
PBS only, pH7.3

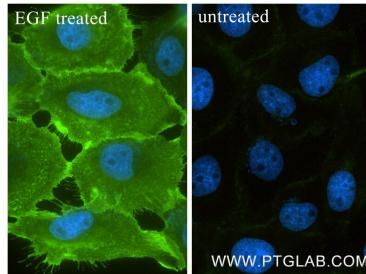
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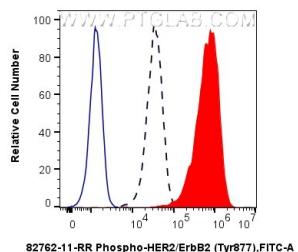
## Selected Validation Data



Non-treated A431 cells and EGF (HZ-1326) treated A431 cells were subjected to SDS PAGE followed by western blot with 82762-11-RR (Phospho-HER2/ErbB2 (Tyr877) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 82762-11-PBS in a different storage buffer



Immunofluorescent analysis of (4% PFA) fixed EGF treated A431 cells using Phospho-HER2/ErbB2 (Tyr877) antibody (82762-11-RR, Clone: 250539F5) at dilution of 1:1000 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 82762-11-PBS in a different storage buffer formulation.



1X10<sup>6</sup> A431 cells untreated (dashed lines) or treated with EGF which intracellularly stained with 0.25 ug Phospho-HER2/ErbB2 (Tyr877) Recombinant monoclonal antibody (82762-11-RR, Clone:250539F5) and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein

