

For Research Use Only

Phospho-EGFR (Tyr869) Recombinant antibody

Catalog Number: 84839-1-RR



Basic Information

Catalog Number: 84839-1-RR	GenBank Accession Number: BC094761	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1956	CloneNo.: 241785G5
Source: Rabbit	UNIPROT ID: P00533	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	
	Calculated MW: 1210 aa, 134 kDa	
	Observed MW: 180 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : EGF treated A431 cells,
Species Specificity: human	

Background Information

Epidermal growth factor receptor (EGFR) is a member of the receptor tyrosine kinase (RTK) family and plays a critical role in a wide variety of cellular functions, including proliferation, differentiation and apoptosis. After EGFR homodimerization with extracellular ligands such as epidermal growth factor (EGF), the intracellular tyrosine kinase domain is activated and autophosphorylates multiple tyrosine residues in the C-terminal tail domain. (PMID: 23822636) This antibody recognizes EGFR phosphorylation at tyrosine 869, which is also widely described as the tyrosine 845 site.

Storage

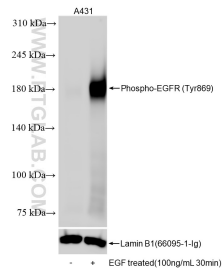
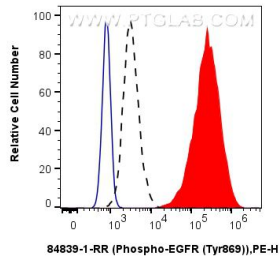
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ EGF treated A431 cells were intracellularly stained with 0.25 ug Phospho-EGFR (Tyr869) Recombinant Antibody (84839-1-RR, Clone:241785G5) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.

Non-treated and EGF treated A431 cells were subjected to SDS PAGE followed by western blot with 84839-1-RR (Phospho-EGFR (Tyr869) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (66095-1-ig) antibody as a loading control.