

For Research Use Only

Phospho-EGFR (Tyr1069) Polyclonal antibody



Catalog Number: 30277-1-AP

Basic Information

Catalog Number: 30277-1-AP	GenBank Accession Number: BC094761	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 350 µg/ml by Nanodrop;	GeneID (NCBI): 1956	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	
Isotype: IgG	Calculated MW: 1210 aa, 134 kDa	
	Observed MW: 170 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : EGF treated HeLa cells,
Species Specificity: Human	

Background Information

Epidermal Growth Factor Receptor (EGFR) is one of the receptor tyrosine kinases (RTKs), members of the ErbB/HER family which consists of ErbB1 (EGFR or HER1), ErbB2 (HER2 or Neu), ErbB3 (HER3), and ErbB4 (HER4). Aberrant activation of EGFR is among the most common oncogenic driving events in human cancer, which is mediated largely through different classes of genomic alterations within the EGFR gene. Phosphorylation of EGFR Tyr1069 acts as the degron of EGFR and is recognized by c-Cbl, enhancing the ubiquitination and degradation of EGFR. EGFR stability is tightly regulated upon EGF stimulation. (PMID: 35164092, PMID: 29464683, PMID: 37085908). Some scientists call EGFR Tyr1069 as EGFR Tyr1045, the site where the signaling peptide is removed.

Storage

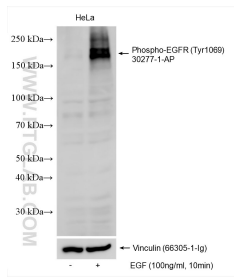
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



Non-treated HeLa and EGF treated HeLa cells were subjected to SDS PAGE followed by western blot with 30277-1-AP (Phospho-EGFR (Tyr1069) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Vinculin antibody as loading control.