

For Research Use Only

Phospho-EGFR (Tyr1069) Polyclonal antibody

Catalog Number: 30277-1-AP

3 Publications



Basic Information

Catalog Number:

30277-1-AP

Concentration:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC094761

GeneID (NCBI):

1956

UNIPROT ID:

P00533

Full Name:

epidermal growth factor receptor
(erythroblastic leukemia viral (v-erb-
b) oncogene homolog, avian)

Calculated MW:

1210 aa, 134 kDa

Observed MW:

170 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

Human

Cited Species:

human

Positive Controls:

WB : EGF treated HeLa cells,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Jie Yuan	39817673	IUBMB Life	WB
Jinlong Cao	39528080	Life Sci	WB,IF
Cynthia M Simbulan-Rosenthal	38727313	Cells	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

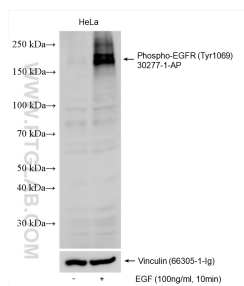
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W: ptgcn.com

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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.