

For Research Use Only

Phospho-EGFR (Tyr1092) Polyclonal antibody

Catalog Number: 30278-1-AP



Basic Information

Catalog Number:

30278-1-AP

Size:

100ul, Concentration: 400 ug/ml by Nanodrop;

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 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

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. Autophosphorylation at Tyr-1092 and/or Tyr-1110 recruits STAT3. (PMID: 35164092, PMID: 29464683, PMID: 37085908). Some scientists call EGFR Tyr1092 as EGFR Tyr1068, 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

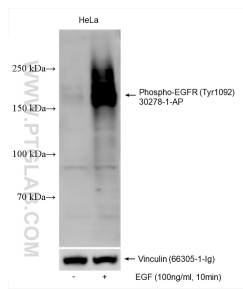
For technical support and original validation data for this product please contact:

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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 30278-1-AP (Phospho-EGFR (Tyr1092) antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Vinculin antibody as loading control.