

# Phospho-EGFR (Tyr1092) Polyclonal antibody

Catalog Number: **30278-1-AP**

## Basic Information

**Catalog Number:**

30278-1-AP

**Size:**

400 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 1:500-1:3000

## 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

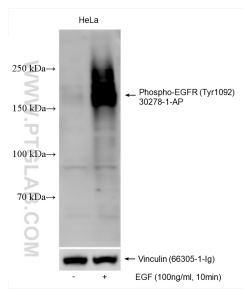
For technical support and original validation data for this product please contact:

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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.