

For Research Use Only

Phospho-EGFR (Tyr1092) Polyclonal antibody



Catalog Number: 30278-1-AP

Basic Information

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|---|---|--|
| Catalog Number: 30278-1-AP | GenBank Accession Number: BC094761 | Purification Method: Antigen affinity purification |
| Size: 100ul , Concentration: 400 µg/ml by Nanodrop; | GeneID (NCBI): 1956 | Recommended Dilutions: WB 1:500-1:3000 |
| 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

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| 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. 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

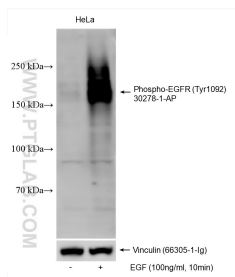
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.