

For Research Use Only

# Phospho-EGFR (Tyr1110) Recombinant monoclonal antibody

Catalog Number:87084-2-RR



## Basic Information

**Catalog Number:**

87084-2-RR

**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:**

175 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

251800D1

**Recommended Dilutions:**

WB: 1:1000-1:4000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : EGF treated A431 cells,

## Background Information

EGFR is a receptor for EGF, but also for other members of the EGF family, as TGF- $\alpha$ , amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. Phospho-EGFR (Tyr1110) is the phosphorylated, active form of the epidermal growth factor receptor (EGFR) at tyrosine 1110 within the C-terminal tail. This modification is catalyzed by EGFR itself or SRC-family kinases upon ligand (EGF, TGF- $\alpha$ ) binding or oxidative stress. Phosphorylation at Tyr1110 creates a docking site for SH2-domain-containing proteins, propagating downstream signals through the RAS-RAF-MEK-ERK and PI3K-AKT pathways. Some scientists call EGFR Tyr1110 as EGFR Tyr1086, 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

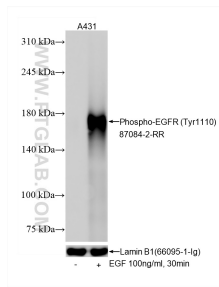
T: 4006900926

E: Proteintech-CN@ptglab.com

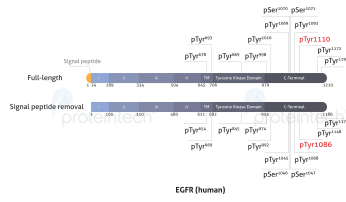
W: ptgcn.com

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## Selected Validation Data



Non-treated A431 cells and EGF treated A431 cells were subjected to SDS PAGE followed by western blot with 87084-2-RR (Phospho-EGFR (Tyr1110) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (66095-1-Ig) antibody as a loading control.



In the full-length versus signal-peptide-removed forms, nomenclature differs but the modification site is conserved.