

For Research Use Only

Phospho-EGFR (Tyr1110) Recombinant monoclonal antibody, PBS Only

Catalog Number:87084-2-PBS



Basic Information

Catalog Number:

87084-2-PBS

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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

EGFR is a receptor for EGF, but also for other members of the EGF family, as TGF- α , 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- α) 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

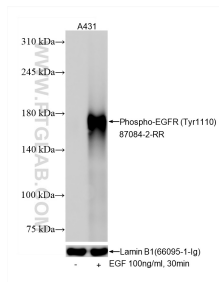
T: 4006900926

E: Proteintech-CN@ptglab.com

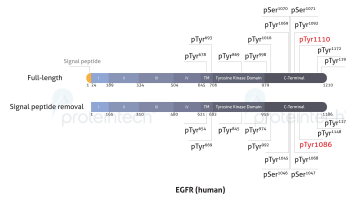
W: ptgcn.com

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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. This data was developed using the same antibody clone with 87084-2-PBS in a different storage buffer formulation.



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