

For Research Use Only

# Phospho-EGFR (Tyr1197) Recombinant antibody, PBS Only

Catalog Number: 84906-1-PBS



## Basic Information

**Catalog Number:**

84906-1-PBS

**Size:**

100ug, Concentration: 1 mg/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:**

175 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241826G10

## Applications

**Tested Applications:**

WB, FC (Intra), Indirect ELISA

**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). The EGFR autophosphorylation sites Tyr-992 and Tyr-1173 (also known as Tyr 1197) have been shown to play a critical role in the activation of the MAPK cascade following EGF stimulation. (PMID: 15708852)

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

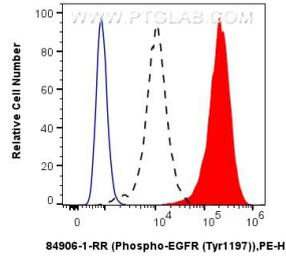
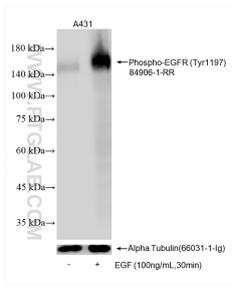
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Non-treated A431 cells and EGF treated A431 cells were subjected to SDS PAGE followed by western blot with 84906-1-RR (Phospho-EGFR (Tyr1197) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotting with Alpha Tubulin (66031-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 84906-1-PBS in a different storage buffer formulation.

$1 \times 10^6$  A431 cells untreated (dashed lines) or treated with EGF which intracellularly stained with 0.25 ug Phospho-EGFR (Tyr1197) Recombinant Antibody (84906-1-RR, Clone:241826G10) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH. This data was developed using the same antibody

