

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

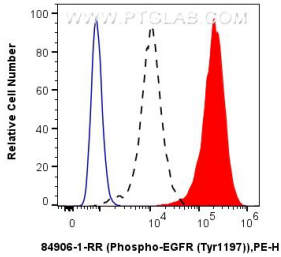
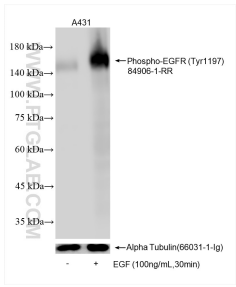
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Selected Validation Data



Non-treated A431 cells and EGF treated A431 cells were subjected to SDS PAGE followed by western blot with 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-blotted 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.

1x10⁶ 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

