

For Research Use Only

Phospho-EGFR (Tyr869) Recombinant antibody

Catalog Number: 84839-1-RR



Basic Information

Catalog Number:

84839-1-RR

Size:

1000 µg/ml

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:

180 kDa

Purification Method:

Protein A purification

CloneNo.:

241785G5

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : EGF treated A431 cells,

Background Information

Epidermal growth factor receptor (EGFR) is a member of the receptor tyrosine kinase (RTK) family and plays a critical role in a wide variety of cellular functions, including proliferation, differentiation and apoptosis. After EGFR homodimerization with extracellular ligands such as epidermal growth factor (EGF), the intracellular tyrosine kinase domain is activated and autophosphorylates multiple tyrosine residues in the C - terminal tail domain. (PMID: 23822636) This antibody recognizes EGFR phosphorylation at tyrosine 869, which is also widely described as the tyrosine 845 site.

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

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

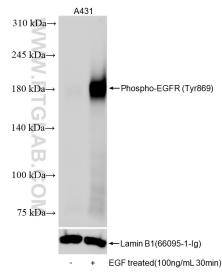
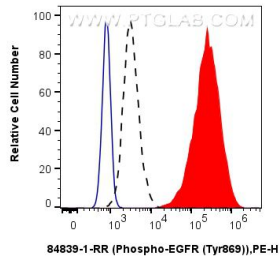
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Selected Validation Data



1x10⁶ EGF treated A431 cells were intracellularly stained with 0.25 ug Phospho-EGFR (Tyr869) Recombinant Antibody (84839-1-RR, Clone:241785G5) 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.

Non-treated and EGF treated A431 cells were subjected to SDS PAGE followed by western blot with 84839-1-RR (Phospho-EGFR (Tyr869) antibody) at dilution of 1:1000 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.