

Phospho-EGFR(Y1092) Rabbit mAb

Catalog No: #13350

Package Size: #13350-1 50ul #13350-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

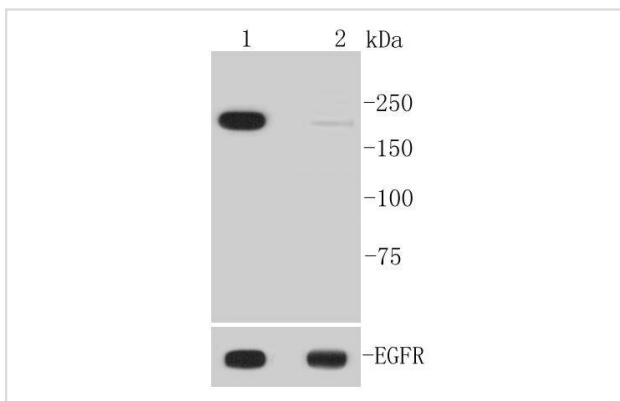
Description

Product Name	Phospho-EGFR(Y1092) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SJ0194
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Tyr1092 of human EGFR.
Other Names	Avian erythroblastic leukemia viral (v erb b) oncogene homolog antibody Cell growth inhibiting protein 40 antibody Cell proliferation inducing protein 61 antibody EGF R antibody EGFR antibody EGFR_HUMAN antibody Epidermal growth factor receptor (avian erythroblastic leukemia viral (v erb b) oncogene homolog) antibody Epidermal growth factor receptor (erythroblastic leukemia viral (v erb b) oncogene homolog avian) antibody Epidermal growth factor receptor antibody erb-b2 receptor tyrosine kinase 1 antibody ERBB antibody ERBB1 antibody Errp antibody HER1 antibody mENA antibody NISBD2 antibody Oncogen ERBB antibody PIG61 antibody Proto-oncogene c-ErbB-1 antibody Receptor tyrosine protein kinase ErbB 1 antibody Receptor tyrosine-protein kinase ErbB-1 antibody SA7 antibody Species antigen 7 antibody Urogastrone antibody v-erb-b Avian erythroblastic leukemia viral oncogen homolog antibody wa2 antibody Wa5 antibody
Accession No.	Swiss-Prot#:P00533
Uniprot	P00533
GeneID	1956;
Calculated MW	170 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200

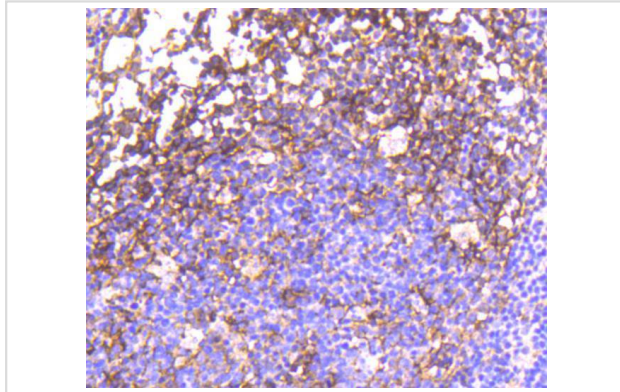
Images



Western blot analysis of Phospho-EGFR(Y1092) on different lysates using anti-Phospho-EGFR(Y1092) antibody at 1/1,000 dilution. Positive control:

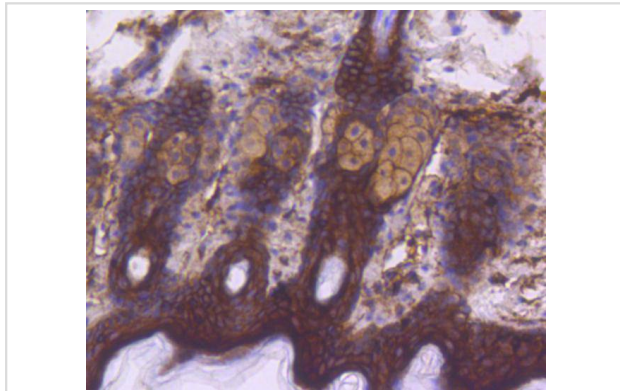
Lane 1: A431 treated with EGF

Lane 2: Untreated A431



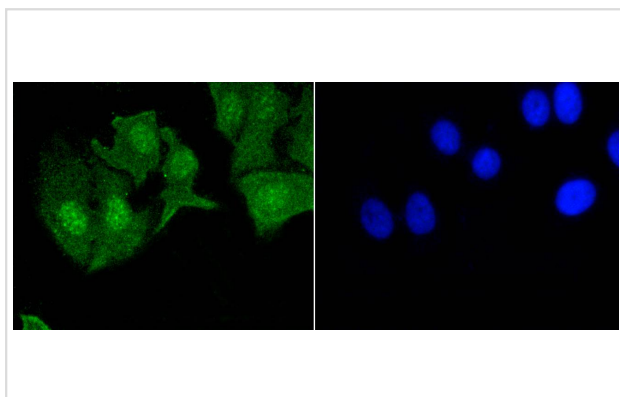
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Phospho-EGFR(Y1092) antibody.

Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue using anti-Phospho-EGFR(Y1092) antibody.

Counter stained with hematoxylin.



ICC staining Phospho-EGFR(Y1092) in BT-20 cells (green).

The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Epidermal growth factor mediates its effects on cell growth through its inter-action with a cell surface glycoprotein designated the EGF receptor. Binding of EGF or TGF alpha to the EGF receptor activates tyrosine-specific protein kinase activity intrinsic to the EGF receptor. The carboxy terminal tyrosine residues on EGFR, Tyr 1068 and Tyr 1173, are the major sites of autophosphorylation, which occurs as a result of EGF binding. Once activated, EGFR mediates the binding of the phosphotyrosine binding (PTB) domain of GRB2 through direct interactions with Tyr 1068 and Tyr 1086 and through indirect interactions with Tyr 1173 in the Ras signaling pathway. Tyr 1173 of EGFR also functions as a kinase substrate. Phosphorylation of Tyr 992, Tyr 1068 and Tyr 1086 is required for conformational change in the C-terminal tail of the EGF receptor.

References

Note: This product is for in vitro research use only