

EGFR (phospho Ser1047) antibody [HL5304]

Cat. No. GTX645769

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB
Reactivity	Human

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000

Not tested in other applications.

Observed MW (kDa) 180 kDa.

Product Note

This antibody recognizes EGFR protein singly phosphorylated at Ser1047 and weakly recognizes the dually phosphorylated form at Ser1046 and Ser1047, but does not recognize EGFR protein singly phosphorylated at Ser1046.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide surrounding phospho Ser1047 of human EGFR. The exact sequence is proprietary.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

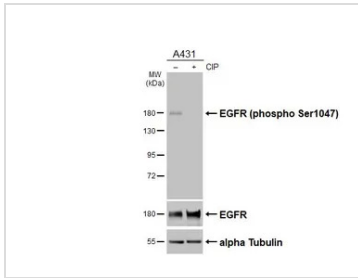
Note

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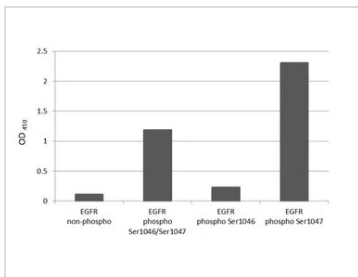
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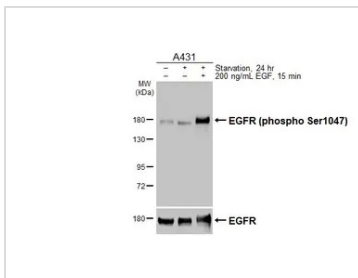
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DATA IMAGES

GTX645769 WB Image

Untreated (–) and treated (+) A431 whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membranes were blotted with EGFR (phospho Ser1047) antibody [HL5304] (GTX645769) diluted at 1:1000 and EGFR antibody [C2C3], C-term antibody (GTX100448) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


GTX645769 Image

Specificity test was performed by coating the plate with EGFR non-phospho peptide, EGFR (phospho Ser1046) peptide, EGFR (phospho Ser1047) peptide, and EGFR (phospho Ser1046/Ser1047) peptide (250 ng/mL). Coated peptides were probed with EGFR (phospho Ser1047) antibody [HL5304] (GTX645769) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect the bound primary antibody.


GTX645769 WB Image

Untreated (–) and treated (+) A431 whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membranes were blotted with EGFR (phospho Ser1047) antibody [HL5304] (GTX645769) diluted at 1:1000 and EGFR antibody [C2C3], C-term antibody (GTX100448) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident femto Western HRP Substrate.



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