

EGFR (phospho Tyr1148) antibody

Cat. No. GTX10643

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, FCM, IHC
Reactivity	Human, Mouse

Package

50 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	1:250
FCM	1:20
IHC	Assay dependent

Not tested in other applications.

Calculated MW 134 kDa. ([Note](#))

Product Note The full-length EGFR includes the 24 aa signal peptide that is cleaved during EGFR maturation. The Tyr1148 of mature EGFR is equivalent to Tyr1172 of uncleaved EGFR.

Properties

Form	Liquid
Buffer	PBS, 0.1% BSA, 50% Glycerol
Preservative	0.05% Sodium azide
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	Batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from the region of human EGFR that contains tyrosine 1148. The sequence is conserved in mouse, rat and chicken.
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated

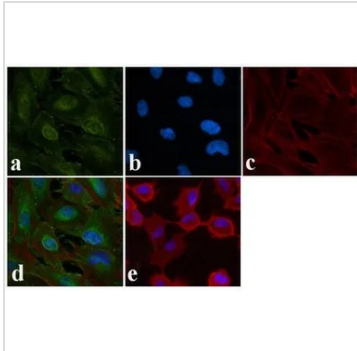


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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

GTXT10643 ICC/IF Image

ICC/IF analysis of A549 cells using GTXT10643 EGFR (phospho Tyr1148) antibody. Panel e is a no primary antibody control.

Green : Primary antibody

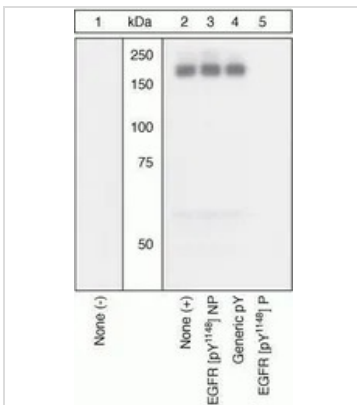
Blue : Nuclei

Red : Actin

Fixation : 4% paraformaldehyde

Permeabilization : 0.25% Triton X-100 for 10 minutes

Dilution : 1:400 for 30 minutes at room temperature


GTXT10643 WB Image

WB (peptide competition) analysis of A431 cells stimulated with 200 ng/mL EGF (Lane 2-5) for 15 minutes using GTXT10643 EGFR (phospho Tyr1148) antibody prior incubated with, non-phosphopeptide corresponding to the phosphopeptide immunogen (Lane 3), a generic phosphotyrosine-containing peptide (Lane 4), or the phosphopeptide immunogen (Lane 5) control. The data show that only the immunogen phosphopeptide blocks the signal, demonstrating the specificity of the antibody.



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