

Phospho-EGFR (Tyr992) Polyclonal Antibody

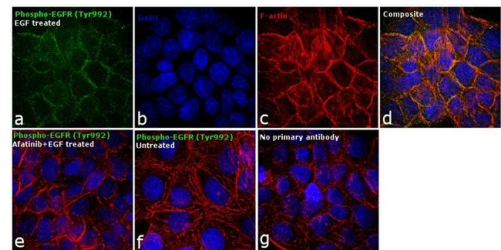
Product Details	
Size	100 µL
Species Reactivity	Human, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding pTyr992 of human EGF receptor
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10979059

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:200	-
Immunocytochemistry (ICC/IF)	1:250	-

Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For Phospho-EGFR (Tyr992) Polyclonal Antibody

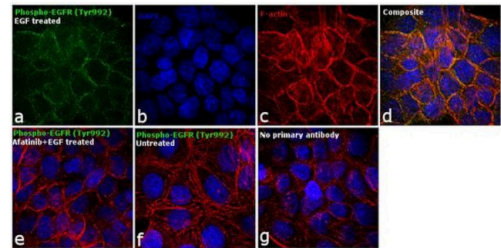


Phospho-EGFR (Tyr992) Antibody (PA5-17835)

Detection of altered expression of the target protein by TM demonstrates antibody specificity. Immunofluorescence analysis of Phospho-EGFR (Tyr992) using Phospho-EGFR (Tyr992) Polyclonal Antibody (Product # PA5-17835) shows induction of Phospho-EGFR (Tyr992) in A-431 cell line upon EGF treatment. Pre-treatment with antagonist, Afatinib resulted in inhibition of EGFR phosphorylation upon EGF treatment. {TM}

Phospho-EGFR (Tyr992) Antibody (PA5-17835) in ICC/IF

Immunofluorescence analysis of Phospho-EGFR pTyr992 was performed using 90% confluent log phase A-431 cells treated with 200 ng/mL of EGF for 10 minutes. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Phospho-EGFR (Tyr992) Polyclonal Antibody (Product # PA5-17835) at 1:250 dilution in 0.1% BSA and incubated overnight at 4 degree Celsius and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing membranous localization. Panel e represents cells treated with antagonist, Afatinib (1µM for 6hrs) followed by EGF (200 ng/mL for 10 minutes), showing reduced Phospho-EGFR staining. Panel f shows untreated cells with no signal. Panel g represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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