

Anti-EGFR (Ser-1142), Phosphospecific Antibody



Product Details

Available Variants	100 µL (SKU:EP1931)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	EGFR
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:200
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-EGFR (Ser-1142) synthetic peptide (coupled to KLH) corresponding to amino acid residues surrounding serine 1142 of human EGFR (ErbB-1). This human EGFR sequence has high homology with rat and mouse EGFR, and is not conserved in other ErbB family members.
Specificity	This antibody was cross-adsorbed to unphosphorylated EGFR (Ser-1142) coupled to agarose then affinity purified using phospho-EGFR (Ser-1142) peptide (without carrier). The antibody detects a 180 kDa* protein on SDS-PAGE immunoblots of human A431 cells treated with Calyculin A, and does not detect this band after lambda phosphatase treatment.
Molecular Weight	180
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

-20°C.

UniProt ID P00533

Country of Origin United States

Shipping Blue Ice

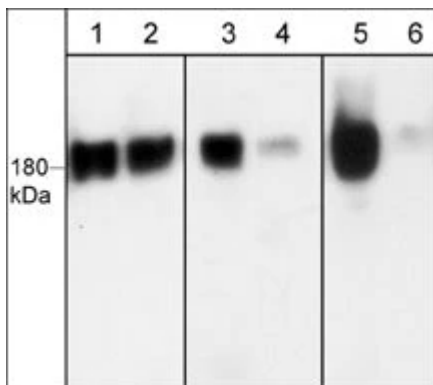
Expiration After date of receipt, stable for at least 1 year at -20°C.

Usage Statement For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

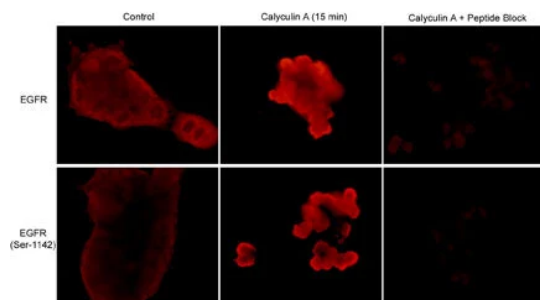
Post Translational Modification Type Phosphorylated

Post Translational Modification Residue Ser-1142

Product Images



Western blot image of human A431 cells treated with Calyculin A (100 nM) for 30 min. Blot lanes were untreated (lanes 1, 3, & 5) or treated with lambda phosphatase (lanes 2, 4, & 6) then were probed with anti-EGFR (a.a. 961-972) (lanes 1 & 2), anti-EGFR (Ser-967) (lanes 3 & 4), and anti-EGFR (Ser-1142) (lanes 5 & 6).



Immunocytochemical labeling in A431 cells untreated or treated with Calyculin A (50 nM) for 15 min. Cells were labeled with anti-EGFR (a.a. 961-972) or anti-EGFR (Ser-1142) antibodies. The specificity of labeling was demonstrated for each antibody by blocking the signals with their respective blocking peptides, EGFR (a.a. 961-972) (EX1875) and phospho-EGFR (Ser-1142) (EX1935).



Created on 10. September 2026 | All information without guarantee