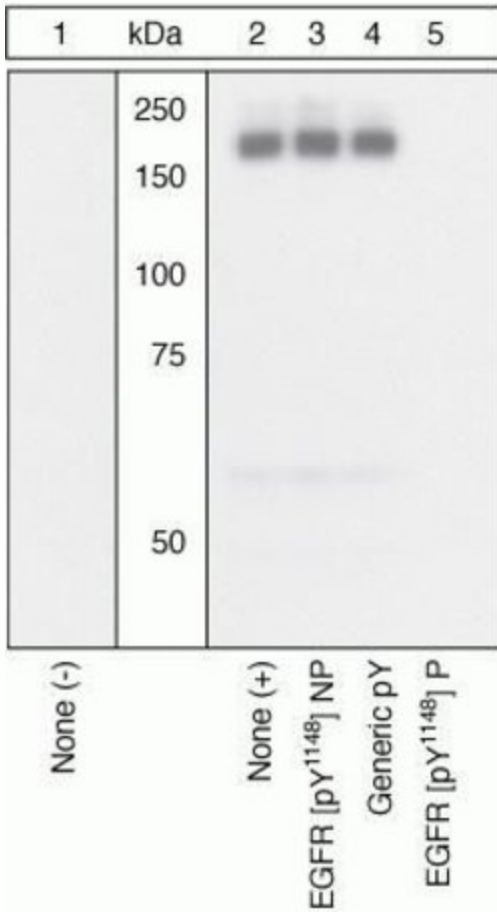


# Phospho-EGFR (Tyr1148) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from the region of EGFR that contains tyrosine 1148. The sequence is conserved in mouse, rat and chicken.
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.3, with 1mg/mL BSA, 50% glycerol
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2533756

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	4 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	1:250	1 Publication

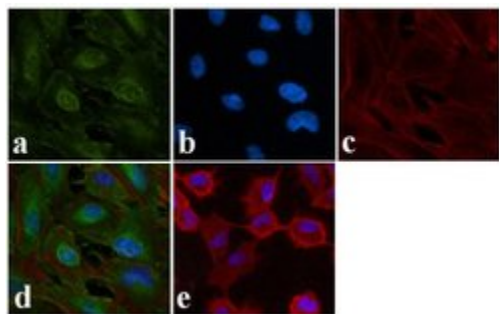
## Advanced Verification Data



### Phospho-EGFR (Tyr1148) Antibody (44-792G)

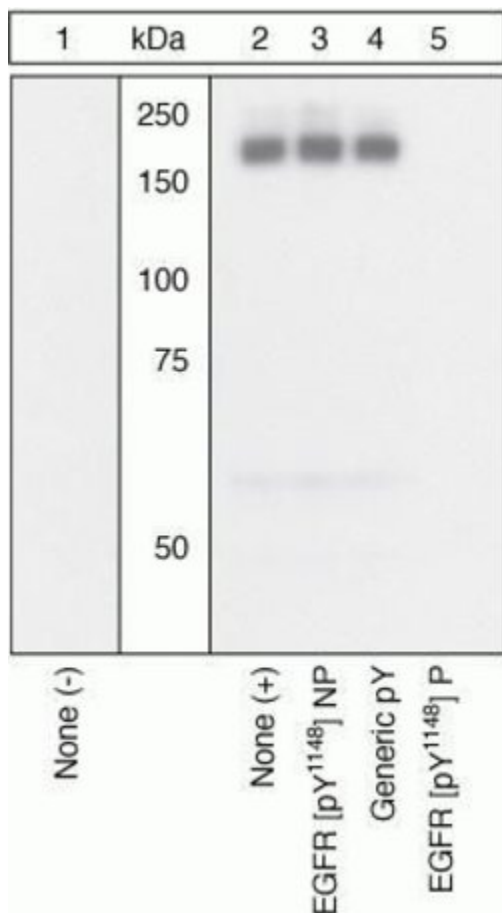
Altered expression of protein upon cell treatment demonstrates antibody specificity. Western blot of EGFR (pY1148) using Anti-EGFR (pY1148) Rabbit Polyclonal Antibody (Product # 44-800G) shows increased expression of EGFR [pY1148] in A431 cells upon EGF treatment. Cell treatment validation info.

## Product Images For Phospho-EGFR (Tyr1148) Polyclonal Antibody



### Phospho-EGFR (Tyr1148) Antibody (44-792G) in ICC/IF

Immunofluorescence analysis of EGFR (pY1148) was done on 70% confluent log phase A549. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton™ X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with EGFR (pY1148) Rabbit polyclonal Antibody (Product # 44-792G) at 1:250 dilution in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor 488 Goat Anti-Rabbit IgG Secondary Antibody (Product # A-11008) at a dilution of 1:400 for 30 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor 594 Phalloidin (Product # A12381). Panel d is a merged image showing cytoplasmic localization. Panel e shows no primary antibody control. The images were captured at 20X magnification.



### Phospho-EGFR (Tyr1148) Antibody (44-792G) in WB

Peptide Competition. Extracts of A431 cells unstimulated (1) or stimulated with 200 ng/mL EGF (2-5) for 15 minutes were resolved by SDS-PAGE on a 10% Tris-glycine gel and transferred to PVDF. The membrane was blocked with a 5% BSA-TBST buffer for one hour at room temperature, then incubated with the EGFR [pY1148] antibody for two hours at room temperature in a 1% BSA-TBST buffer, following prior incubation with: no peptide (1, 2), non-phosphopeptide corresponding to the phosphopeptide immunogen (3), a generic phosphotyrosine-containing peptide (4), or the phosphopeptide immunogen (5). After washing, the membrane was incubated with goat F(ab')<sub>2</sub> anti-rabbit IgG HRP conjugate (Product # ALI4404) and signals were detected using the Pierce SuperSignal™ method. The data show that only the phosphopeptide corresponding to EGFR [pY1148] blocks the signal, demonstrating the specificity of the antibody. The data also show the induction of EGFR [pY1148] phosphorylation by the addition of EGF to this cell system.

View more figures on [thermofisher.com](http://thermofisher.com)

## 6 References

### Western Blot (4)

eLife

#### Time-resolved multimodal analysis of Src Homology 2 (SH2) domain binding in signaling by receptor tyrosine kinases.

"Published figure using Phospho-EGFR (Tyr1148) polyclonal antibody (Product # 44-792G) in Western Blot"

Authors: Jadwin JA, Oh D, Curran TG, Ogiue-Ikeda M, Jia L, White FM, Machida K, Yu J, Mayer BJ

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2016

Molecular & cellular proteomics : MCP

#### A portrait of tissue phosphoprotein stability in the clinical tissue procurement process.

Authors: Espina V, Edmiston KH, Heiby M, Pierobon M, Sciro M, Merritt B, Banks S, Deng J, VanMeter AJ, Geho DH, Pastore L, Sennesh J, Petricoin EF, Liotta LA

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2008

[View more WB references on thermofisher.com](#)

### Immunohistochemistry (1)

Molecular & cellular proteomics : MCP

#### A portrait of tissue phosphoprotein stability in the clinical tissue procurement process.

Authors: Espina V, Edmiston KH, Heiby M, Pierobon M, Sciro M, Merritt B, Banks S, Deng J, VanMeter AJ, Geho DH, Pastore L, Sennesh J, Petricoin EF, Liotta LA

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2008

### Immunocytochemistry (1)

Cancer research

#### Enhanced activation of epidermal growth factor receptor caused by tumor-derived E-cadherin mutations.

Authors: Bremm A, Walch A, Fuchs M, Mages J, Duyster J, Keller G, Hermannstädter C, Becker KF, Rauser S, Langer R, von Weyhern CH, Höfler H, Lubber B

**Species**  
Human  
Mouse

**Dilution**  
Not Cited  
Not Cited

**Year**  
2008

### More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.