

Phospho-EGFR (Tyr1068) Polyclonal Antibody

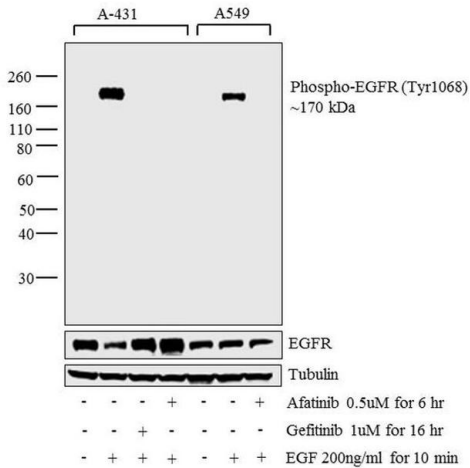
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Pig
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding pTyr1068 of human EGF receptor
Form	Liquid
Concentration	5 µg/mL
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_10983605

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:350	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For Phospho-EGFR (Tyr1068) Polyclonal Antibody

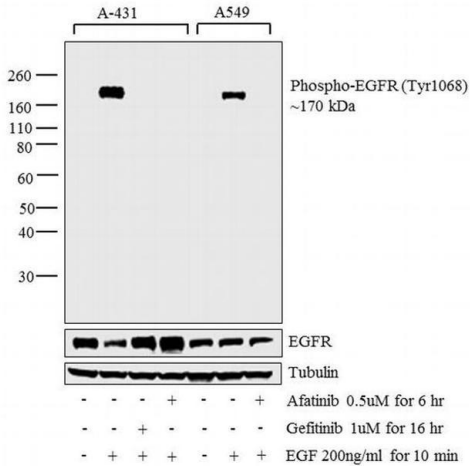


Phospho-EGFR (Tyr1068) Antibody (PA5-17848)

Altered expression of proteins upon TM demonstrates antibody specificity. Western blot using Phospho-EGFR (Tyr1068) polyclonal antibody (Product # PA5-17848), shows increased expression of proteins phosphorylated at the tyrosine residues in A-431 and A549 cell lines upon EGF treatment and pre-treatment with EGFR-antagonists, Gefitinib and Afatinib, resulted in inhibition of Phospho-EGFR in A-431 and A549 cell lines. {TM}

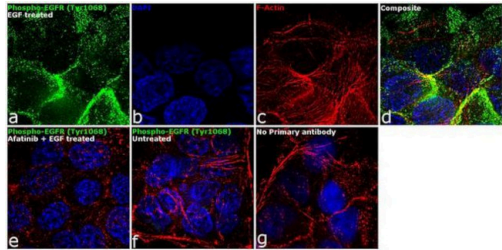
Phospho-EGFR (Tyr1068) Antibody (PA5-17848) in WB

Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of A-431 (Lane 1), A-431 treated with EGF (200 ng/mL for 10 minutes) (Lane 2), A-431 treated with Gefitinib followed by EGF (1uM for 16 hours, 200 ng/mL for 10 minutes) (Lane 3), A-431 treated with Afatinib followed by EGF (0.5 uM for 6 hours, 200 ng/mL for 10 minutes) (Lane 4), A549 (Lane 5), A549 treated with EGF (200 ng/mL for 10 minutes) (Lane 6) and A549 treated with Afatinib followed by EGF (0.5 uM for 6 hours, 200 ng/mL for 10 minutes) (Lane 7). The blot was probed with Anti-Phospho-EGFR (Tyr1068) Rabbit Polyclonal Antibody (Product # PA5-17848, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 170 kDa band corresponding to Phospho-EGFR (Tyr1068) was detected and observed to increase upon EGF treatment across cell lines tested. Pre-treatment with EGFR-antagonists, Gefitinib and Afatinib, resulted in inhibition of Phospho-EGFR in A-431 and A549 cell lines. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with overnight wet tra



Phospho-EGFR (Tyr1068) Antibody (PA5-17848) in ICC/IF

Immunofluorescence analysis of Phospho-EGFR (Tyr1068) was performed using 70% 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 (Tyr1068) Rabbit Polyclonal Antibody (Product # PA5-17848) at 1:100 dilution in 0.1% BSA and incubated overnight at 4 degree and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at 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 membrane localization. Panel e represents cells treated with antagonist, Afatinib (1uM for 6hrs) followed by EGF (200 ng/mL for 10 minutes), showing no 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.



View more figures on thermofisher.cn

Western Blot (1)

Journal of virology	Year 2021
Microfilaments and microtubules alternately coordinate the multi-step endosomal trafficking of Classical Swine Fever Virus.	Species Pig
"PA5-17848 was used in Western Blotting to investigate swine fever virus endosomal trafficking in response to microfilaments and microtubules."	
Authors: Cheng Y,Lou JX,Liu CC,Liu YY,Chen XN,Liang XD,Zhang J,Yang Q,Go YY,Zhou B	

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.