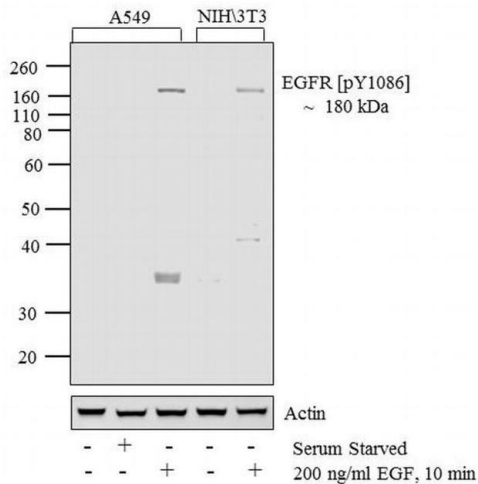


Phospho-EGFR (Tyr1086) Polyclonal Antibody

Product Details	
Size	50 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the region surrounding the phosphorylated Tyr1086 residue of the human, mouse, rat, and pig epidermal growth factor receptor (EGFr) protein.
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533287

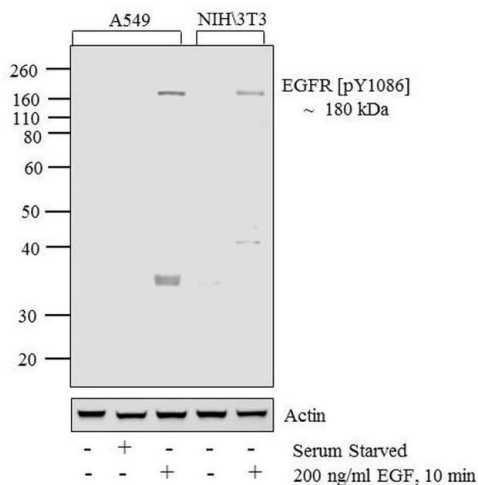
Applications	Tested Dilution	Publications
Western Blot (WB)	0.5 µg/mL	7 Publications
Immunohistochemistry (IHC)	Assay-dependent	8 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunocytochemistry (ICC/IF)	Assay-dependent	1 Publication
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	0.1-0.5 µg/mL	-

Product Images For Phospho-EGFR (Tyr1086) Polyclonal Antibody



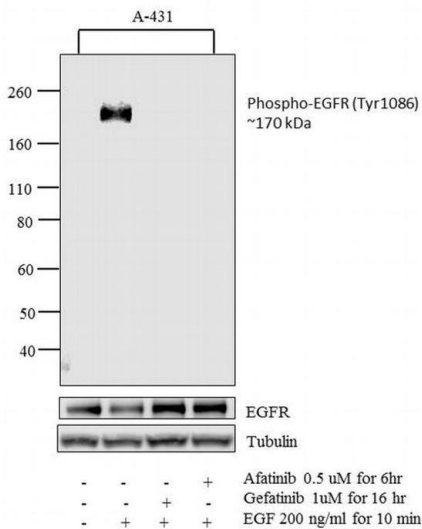
Phospho-EGFR (Tyr1086) Antibody (36-9700)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot of Phospho-EGFR (Tyr1086) using Phospho-EGFR (Tyr1086) Rabbit Polyclonal Antibody (Product # 36-9700), shows induction of phosphorylation of EGFR (Thr202, Tyr204) in A549 and NIH/3T3 cell lines upon PDGF treatment. {TM}



Phospho-EGFR (Tyr1086) Antibody (36-9700) in WB

Western blot analysis of EGFR (pY1086) was performed by loading 30 µg of A-549 (lane1) Serum Starved A-549 (lane2), A-549 treated for 10 minutes with 200 ng/mL of EGF (lane3), NIH\0003T3 (lane4) and NIH\0003T3 treated for 10 minutes with 200 ng/mL of EGF (lane5) cell tissue lysate using Novex® NuPAGE® 10 % Bis-Tris gel (Product # NP0301BOX), XCell SureLock™ Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (LC5800), and Proteins were transferred to a nitrocellulose membrane with overnight wet transfer setup at 4°C and blocked with 5 % skim milk for 1 hour at room temperature. EGFR (pY1086) was detected at ~ 180 kDa using EGFR (pY1086) Rabbit Polyclonal Antibody (Product # 36-9700) at 0.1-0.5 µg /mL in 5 % skim milk for 3 hour at room temperature on a rocking platform. Goat Anti-Rabbit IgG - HRP Secondary Antibody (G21234) at 1:5000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



Phospho-EGFR (Tyr1086) Antibody (36-9700)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Phospho-EGFR (Tyr1086) polyclonal antibody (Product # 36-9700), shows increased expression of proteins phosphorylated at the tyrosine residues in A-431 cell line upon EGF treatment and pre-treatment with EGFR-antagonists, Gefitinib and Afatinib, resulted in inhibition of Phospho-EGFR in A-431 cell line. {TM}

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Western Blot (7)

<p>Nature communications</p> <p>Overcoming EGFR^{G724S}-mediated osimertinib resistance through unique binding characteristics of second-generation EGFR inhibitors.</p> <p>"Published figure using Phospho-EGFR (Tyr1086) polyclonal antibody (Product # 36-9700) in Western Blot"</p> <p>Authors: Fassunke J,Müller F,Keul M,Michels S,Dammert MA,Schmitt A,Plenker D,Lategahn J,Heydt C,Brägelmann J,Tumbrink HL,Alber Y,Klein S,Heimsoeth A,Dahmen I,Fischer RN,Scheffler M,Ihle MA,Priesner V,Scheel AH,Wagener S,Kron A,Frank K,Garbert K,Persigehl T,Püsken M,Haneder S,Schaaf B,Rodermann E,Engel-Riedel W,Felip E,Smit EF,Merkelbach-Bruse S,Reinhardt HC,Kast SM,Wolf J,Rauh D,Büttner R,Sos ML</p>	<p>Year 2018</p> <p>Species Human</p> <p>Dilution 1:1,000</p>
<p>Oncology letters</p> <p>Effects of general anesthesia with or without epidural block on tumor metastasis and mechanisms.</p> <p>"36-9700 was used in Western Blotting to assess whether different anaesthesia methods were associated with tumour metastasis during the perioperative period and the possible molecular mechanisms of tumour metastasis."</p> <p>Authors: Yang B,Qian F,Li W,Li Y,Han Y</p>	<p>Year 2018</p> <p>Species Rat</p> <p>Dilution 1:500</p>

View more WB references on thermofisher.com

Immunohistochemistry (8)

<p>Clinical cancer research : an official journal of the American Association for Cancer Research</p> <p>Spatial Metabolomics Identifies Distinct Tumor-Specific Subtypes in Gastric Cancer Patients.</p> <p>"36-9700 was used in Immunohistochemistry to define metabolically distinct gastric cancer subtypes and identify their clinicopathological and molecular characteristics."</p> <p>Authors: Wang J,Kunzke T,Prade VM,Shen J,Buck A,Feuchtinger A,Haffner I,Luber B,Liu DHW,Langer R,Lordick F,Sun N,Walch A</p>	<p>Year 2022</p> <p>Species Human</p> <p>Dilution 1:100</p>
<p>Science translational medicine</p> <p>Afatinib restrains K-RAS-driven lung tumorigenesis.</p> <p>"36-9700 was used in Immunohistochemistry to provide evidence that epidermal growth factor receptor signaling is engaged in K-RAS-driven lung tumorigenesis in humans and in mice."</p> <p>Authors: Moll HP,Pranz K,Musteanu M,Grabner B,Hruschka N,Mohrherr J,Aigner P,Stiedl P,Brcic L,Laszlo V,Schramek D,Moriggl R,Eferl R,Moldvay J,Dezso K,Lopez-Casas PP,Stoiber D,Hidalgo M,Penninger J,Sibilia M,Gyrfy B,Barbacid M,Dome B,Popper H,Casanova E</p>	<p>Year 2018</p> <p>Species Human</p> <p>Dilution 1:100</p>

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More applications with references on thermofisher.com

- IHC (P) (1)
- ICC/IF (1)

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