

c-Fos Polyclonal Antibody

Product Details	
Size	200 µg
Species Reactivity	Human, Mouse
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues S(4) G F N A D Y E A S S S R C(17) of human cFos.
Form	Lyophilized
Concentration	1 mg/mL
Purification	Ammonium sulfate precipitation
Storage buffer	PBS
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2106777

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	1:500	-

Product Specific Information

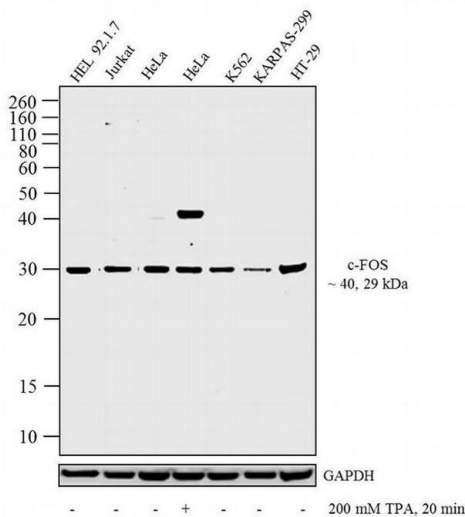
PA1-830 detects cFos from mouse and human cells.

PA1-830 has been successfully used in Western blot and immunofluorescence procedures. By Western blot, this antibody detects an ~60 kDa protein representing cFos in NIH 3T3 serum stimulated cells.

The PA1-830 immunogen is a synthetic peptide corresponding to residues S(4) G F N A D Y E A S S S R C(17) of human cFos. This sequence is completely conserved in mouse cFos.

Reconstitute with 200 µL of PBS (1 mg/mL).

Product Images For c-Fos Polyclonal Antibody

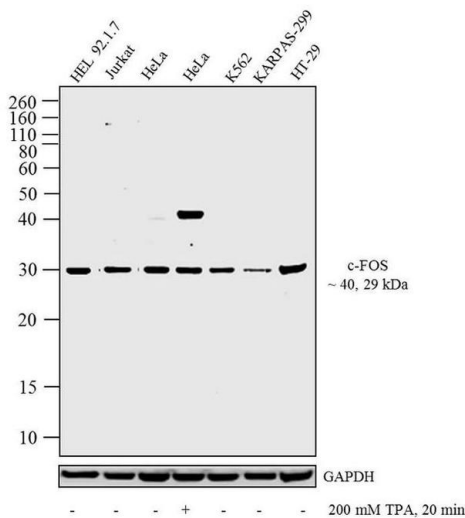


c-Fos Antibody (PA1-830) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HEL 92.1.7 (Lane 1), Jurkat (Lane 2), HeLa (Lane 3), HeLa treated for 20 minutes with 200 mM of TPA (Lane 4), K562 (lane5), KARPAS-299 (Lane 6) and HT-29 (lane 7). The blots were probed with Anti-c-Fos Rabbit Polyclonal Antibody (Product # PA1-830, 1-3 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A 29 kDa band corresponding to c-Fos was observed across cell lines tested, A 40 kDa isoform was observed in TPA treated lysate. 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 transferred onto a nitrocellulose membrane with Pierce™ Power Blotter System (22834). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

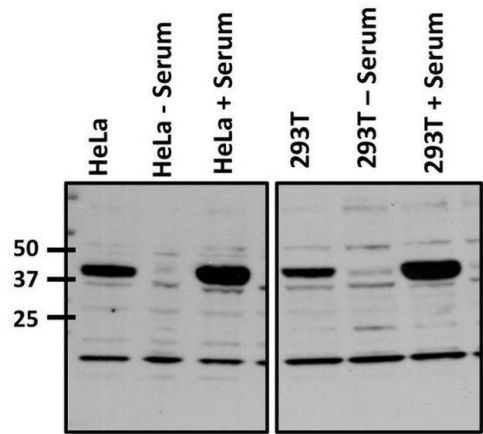
c-Fos Antibody (PA1-830)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot of c-Fos using c-Fos Polyclonal Antibody (Product # PA1-830), shows expression of 40KDa isoform of c-Fos in HeLa cell line upon TPA treatment. {TM}



c-Fos Antibody (PA1-830) in WB

Western blot analysis of c-Fos (Product # PA1-830) was performed by loading 50 µg of Serum (20% Serum, 2hours following 0.25% serum starvation, 36hours) treated HeLa and 293T whole cell lysate, respectively, onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked with 5% Milk/TBST for at least 1 hour. Membranes were probed with a rabbit polyclonal antibody recognizing c-Fos at a dilution of 1:500 overnight at 4°C on a rocking platform. Membranes were washed in TBS-0.1%Tween 20 and probed with a goat anti-rabbit-HRP secondary antibody (Product # 31460) at a dilution of 1:20,000 for at least one hour. Membranes were washed and chemiluminescent detection performed using Pierce Super Signal West Pico (Product # 34077).



View more figures on thermofisher.com

Western Blot (1)

<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p>25-Hydroxycholesterol acts as an amplifier of inflammatory signaling.</p> <p>"PA1-830 was used in ChIP assay and western blot to investigate the role of oxysterol 25-hydroxycholesterol during infection with influenza"</p> <p>Authors: Gold ES,Diercks AH,Podolsky I,Podyminogin RL,Askovich PS,Treuting PM,Aderem A</p>	<p>Year</p> <p>2014</p>
--	--------------------------------

Immunohistochemistry (1)

<p>Neural regeneration research</p> <p>Optogenetics stimulates nerve reorganization in the contralesional anterolateral primary motor cortex in a mouse model of ischemic stroke.</p> <p>"PA1-830 was used in Immunohistochemistry-immunofluorescence to suggest that optogenetic cALM stimulation promotes neural reorganization in the primary motor cortex of the ischemic hemisphere, and that optogenetic cALM inhibition and activation have different effects on neural plasticity."</p> <p>Authors: Gao BY,Cao YX,Fu PF,Xing Y,Liang D,Jiang S,Xie YX,Li M</p>	<p>Year</p> <p>2022</p> <p>Species</p> <p>Mouse</p> <p>Dilution</p> <p>1:1000</p>
---	--

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.