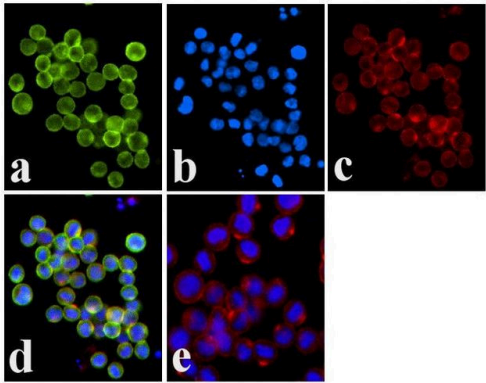


Phospho-JAK1 (Tyr1022, Tyr1023) Polyclonal Antibody

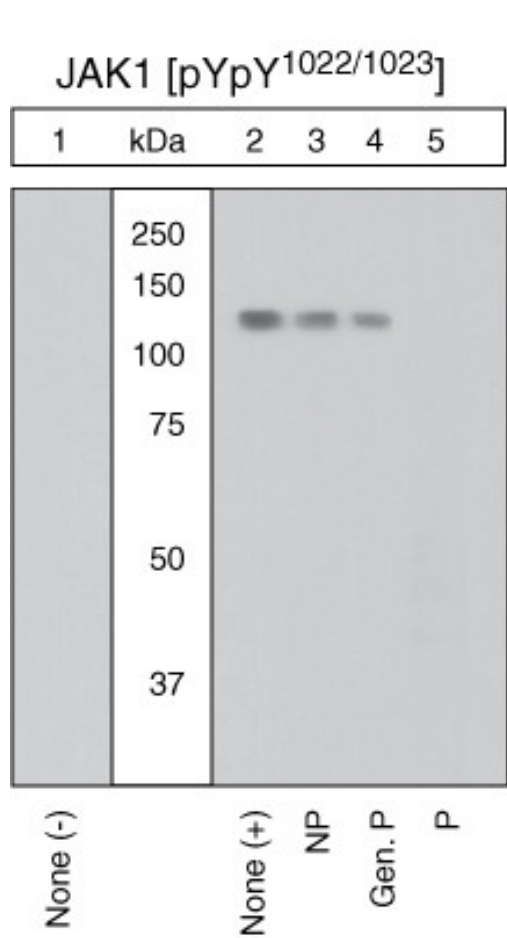
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Rabbit, Rat, Non-human primate, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human JAK1 protein that contains tyrosines 1022 and 1023. The sequence is conserved in mouse and pig.
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.3, with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2533648

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	17 Publications
Immunocytochemistry (ICC/IF)	1:250	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Images For Phospho-JAK1 (Tyr1022, Tyr1023) Polyclonal Antibody



Phospho-JAK1 (Tyr1022, Tyr1023) Antibody (44-422G) in ICC/IF
Immunofluorescence analysis of JAK1 (pY1022/1023) was done on 70% confluent log phase COLO 205 cells. 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 JAK1 (pY1022/1023) Rabbit polyclonal Antibody (Product # 44-422G) 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 membrane localization. Panel e shows no primary antibody control. The images were captured at 20X magnification.



Phospho-JAK1 (Tyr1022, Tyr1023) Antibody (44-422G) in WB
Western blot using JAK1 (pYpY1022/1023) Polyclonal Antibody, Rabbit

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

19 References

Western Blot (17)

Journal of leukocyte biology

Drug target validation in primary human natural killer cells using CRISPR RNP.

"44-422G was used in Western Blot to show an efficient approach to genetically edit human NK cells by electroporation and CRISPR-Cas9 ribonucleoprotein complexes."

Authors: Rautela J, Surgenor E, Huntington ND

Year
2020

Species
Human

Journal of translational medicine

Sulfated non-anticoagulant heparin blocks Th2-induced asthma by modulating the IL-4/signal transducer and activator of transcription 6 /Janus kinase 1 pathway.

"44-422G was used in Western Blotting to study the potential of sulphated-non-coagulant heparin in blocking allergic asthma and examine the potential mechanism by which it exerts its effects."

Authors: Ghonim MA, Wang J, Ibba SV, Luu HH, Pyakurel K, Benslimane I, Mousa S, Boulares AH

Year
2018

Species
Mouse

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

Immunocytochemistry (1)

Journal of virology

Mumps virus V protein antagonizes interferon without the complete degradation of STAT1.

Authors: Kubota T, Yokosawa N, Yokota S, Fujii N, Tashiro M, Kato A

Year
2005

Species
Non-human
primate

Miscellaneous PubMed (1)

Journal of molecular biology

IL-2 induces conformational changes in its preassembled receptor core, which then migrates in lipid raft and binds to the cytoskeleton meshwork.

"44-422G was used in western blot to study the assembly of full-length IL-2R at the surface of living lymphocytes"

Authors: Pillet AH, Lavergne V, Pasquier V, Gesbert F, Thèze J, Rose T

Year
2010

Species
Human

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.