

NFAT5 Polyclonal Antibody

Product Details	
Size	50 µg
Species Reactivity	Human, Mouse
Published Species	Rabbit, Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues C D(1439) L L V S L Q N Q G N N L T G S F(1455) of human NFAT5.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2152617

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	24 Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:20	-
Immunocytochemistry (ICC/IF)	1:1,000	1 Publication
Immunoprecipitation (IP)	3 µg	-
ChIP assay (ChIP)	-	2 Publications
Gel Shift (GS)	Assay-dependent	-

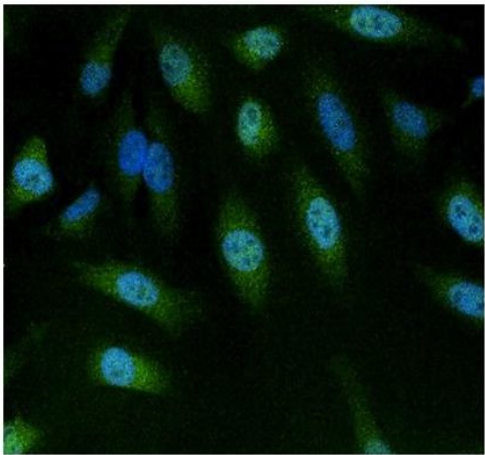
Product Specific Information

PA1-023 detects nuclear factor of activated T-cells 5 (NFAT5) from human and mouse cells as well as recombinant human protein.

PA1-023 has been successfully used in Western blot, immunofluorescence, immunoprecipitation, gel shift and immunocytochemistry procedures. By Western blot, this antibody detects an ~170 kDa protein representing NFAT5 in HEK293 cells transfected with the human NFAT5 gene. Immunocytochemical staining of NFAT5 in HEK293 cells transfected with the human NFAT5 gene with PA1-023 results in primarily cytoplasmic staining.

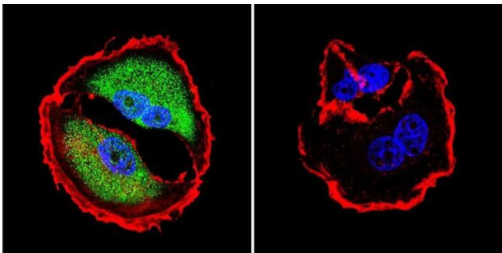
The PA1-023 immunogen is a synthetic peptide corresponding to residues C D(1439) L L V S L Q N Q G N N L T G S F(1455) of human NFAT5. This sequence is 94% conserved in the mouse protein. PA1-023 immunizing peptide (Cat. # PEP-123) is available for use in neutralization and control experiments.

Product Images For NFAT5 Polyclonal Antibody



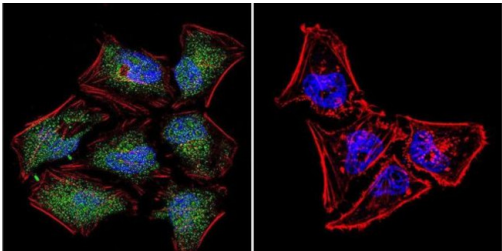
NFAT5 Antibody (PA1-023) in ICC/IF

Immunofluorescent analysis of NFAT5 using anti-NFAT5 polyclonal antibody (Product # PA1-023) (shown in green) in HeLa cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature. Cells were then blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a rabbit polyclonal antibody recognizing NFAT5 (Product # PA1-023), at a dilution of 1:100 for at least 1 hour at room temperature. Cells were washed with PBS and incubated with DyLight 488 goat-anti-rabbit secondary antibody (Product # 35552) at a dilution of 1:400 for 30 minutes at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan at 20X magnification.



NFAT5 Antibody (PA1-023) in ICC/IF

Immunofluorescent analysis of NFAT5 in MCF-7 Cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a NFAT5 polyclonal antibody (Product # PA1-023) at a dilution of 1:200 overnight at 4 C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35552). NFAT5 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Images were taken at 60X magnification.



NFAT5 Antibody (PA1-023) in ICC/IF

Immunofluorescent analysis of NFAT5 in HeLa Cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a NFAT5 polyclonal antibody (Product # PA1-023) at a dilution of 1:20 overnight at 4 C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35552). NFAT5 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Images were taken at 60X magnification.

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

Western Blot (24)

<p>Scientific reports</p> <p>Rac1 deficiency impairs postnatal development of the renal papilla.</p> <p>"Published figure using NFAT5 polyclonal antibody (Product # PA1-023) in Western Blot"</p> <p>Authors: Ayuzawa N,Nishimoto M,Kawarazaki W,Oba S,Marumo T,Aiba A,Fujita T</p>	<p>Year 2022</p>
<p>Journal of biomedical science</p> <p>Interleukin-20 is involved in dry eye disease and is a potential therapeutic target.</p> <p>"PA1-023 was used in Western Blotting to demonstrate the functions of IL-20 in DED and presented a potential therapeutic option for this condition."</p> <p>Authors: Wang HH,Chen WY,Huang YH,Hsu SM,Tsao YP,Hsu YH,Chang MS</p>	<p>Year 2022</p> <p>Species Mouse</p>

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

Immunohistochemistry (3)

<p>Journal of the Endocrine Society</p> <p>Recurrent Amplification of the Osmotic Stress Transcription Factor NFAT5 in Adrenocortical Carcinoma.</p> <p>"PA1-023 was used in Immunohistochemistry to test whether NFAT5 expression correlated with ion/osmolyte channel and regulatory protein expression patterns in adrenocortical carcinoma."</p> <p>Authors: Brown TC,Nicolson NG,Man J,Gibson CE,Stenman A,Juhlin CC,Korah R,Carling T</p>	<p>Year 2020</p> <p>Species Human</p>
<p>Cell death & disease</p> <p>NFAT5 represses canonical Wnt signaling via inhibition of -catenin acetylation and participates in regulating intestinal cell differentiation.</p> <p>"Published figure using NFAT5 polyclonal antibody (Product # PA1-023) in Western Blot"</p> <p>Authors: Wang Q,Zhou Y,Rychahou P,Liu C,Weiss HL,Evers BM</p>	<p>Year 2013</p> <p>Species Human</p>

[View more IHC references on thermofisher.cn](#)

More applications with references on thermofisher.cn

- ICC/IF (1)
- ChIP (2)

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.