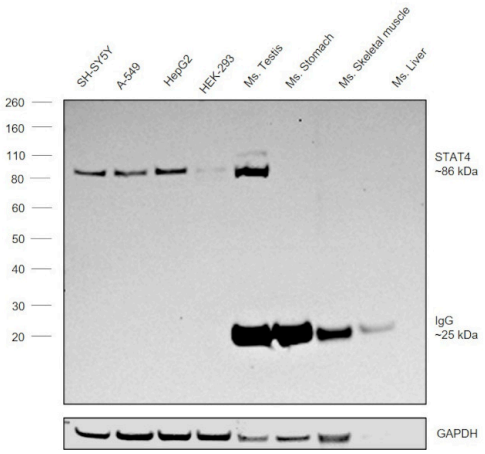
STAT4 Monoclonal Antibody (ST4-5D6)

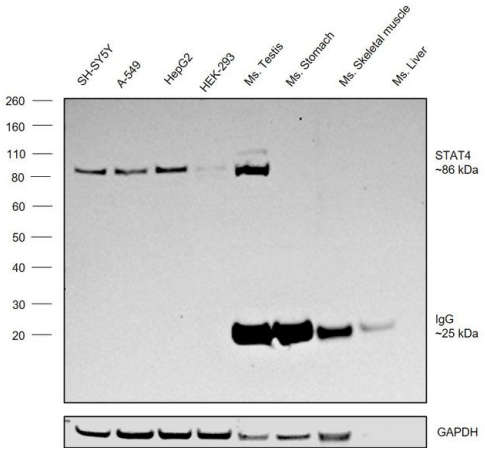
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Virus, Human, Mouse
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	ST4-5D6
Conjugate	Unconjugated
Immunogen	A synthetic peptide derived form the C terminus of murine STAT4.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533108

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-3 µg/mL	2 Publications
Immunocytochemistry (ICC/IF)	1:100	-
ELISA (ELISA)	0.1-1.0 µg/mL	-
Immunoprecipitation (IP)	5 µg	-
Gel Shift (GS)	1-5 µg/mL	-

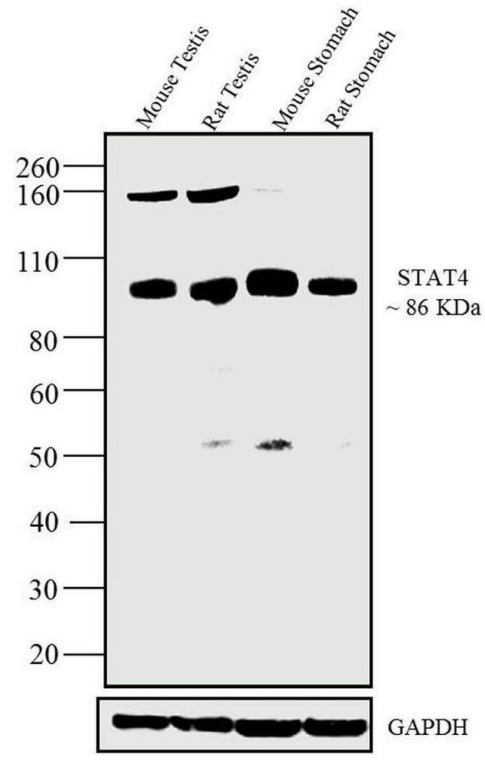
Product Images For STAT4 Monoclonal Antibody (ST4-5D6)



STAT4 Antibody (33-2300)
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and tissues owing to their inherent genetic constitution. Relative expression of Signal transducer and activator of transcription 4 was observed in Mouse testis as positive model versus in Mouse skeletal muscle, stomach and liver as negative models using Anti-STAT4 Monoclonal Antibody (ST4-5D6) (Product # 33-2300) in Western Blot. {RE}



STAT4 Antibody (33-2300) in WB
Western blot was performed using Anti-STAT4 Monoclonal Antibody (ST4-5D6) (Product # 33-2300) and a ~86 kDa band corresponding to Signal transducer and activator of transcription 4 was observed across cell lines and tissues tested. Whole cell extracts (50 µg lysate) of SH-SY5Y (Lane 1), A549 (Lane 2), HepG2 (Lane 3), HEK-293 (Lane 4), Mouse Testis (Lane 5), Mouse Stomach (Lane 6), Mouse Skeletal Muscle (Lane 7), Mouse Liver (Lane 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (0.5 µg/mL) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177,1:20000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580). A 25 kDa band corresponding to IgG was observed in the mouse tissue lysates.



STAT4 Antibody (33-2300) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of Mouse testis (Lane 1), Rat testis (Lane 2), Mouse Stomach (Lane 3), Rat stomach (Lane 4). The blots were probed with Anti-STAT4 Mouse Monoclonal Antibody (Product # 33-2300, 1-3 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 62-6520, 1:4000 dilution). A 86 kDa band corresponding to STAT4 was observed across tissue tested along with a 160 kDa extra band in Mouse Testis and Rat Testis. 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).

View more figures on thermofisher.cn

2 References

Western Blot (2)

The Journal of investigative dermatology

Increased sensitivity to interferon-alpha in psoriatic T cells.

Authors: Eriksen KW,Lovato P,Skov L,Krejsgaard T,Kaltoft K,Geisler C,Ødum N

Year
2005

Species
Rat

Cancer research

Activated signal transducer and activator of transcription (STAT) 3: localization in focal adhesions and function in ovarian cancer cell motility.

Authors: Silver DL,Naora H,Liu J,Cheng W,Montell DJ

Year
2004

Species
Human
Virus
Mouse

Dilution
1:250
1:250
1:250

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