

Datasheet for ABIN1682909
anti-STAT4 antibody (AA 600-700)

5 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	STAT4
Binding Specificity:	AA 600-700
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 600-700 of human STAT4 (NP_001230764.1).
Sequence:	SESHLGGITF TWVDHSESGE VRFHSVEPYN KGRLSALPFA DILRDYKVIM AENIPENPLK YLYPDIPKDK AFGKHYSSQP CEVSRPTERG DKGYPVPSVFI P
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	STAT4
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Target Details

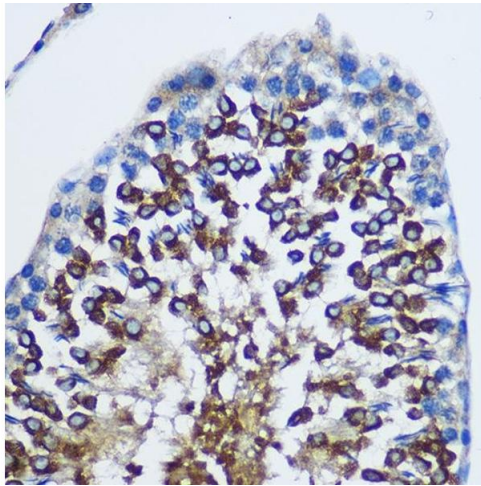
Alternative Name:	STAT4 (STAT4 Products)
Background:	<p>The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in this gene may be associated with systemic lupus erythematosus and rheumatoid arthritis.</p> <p>Alternate splicing results in multiple transcript variants that encode the same protein.,STAT4,SLEB11,Epigenetics & Nuclear Signaling,Transcription Factors,Signal Transduction,ErbB-HER Signaling Pathway,Immunology & Inflammation,IL-6 Receptor Signaling Pathway,STAT4</p>
Molecular Weight:	85 kDa
Gene ID:	6775
UniProt:	Q14765
Pathways:	JAK-STAT Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

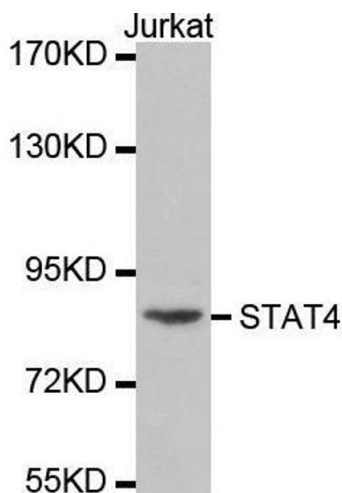
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



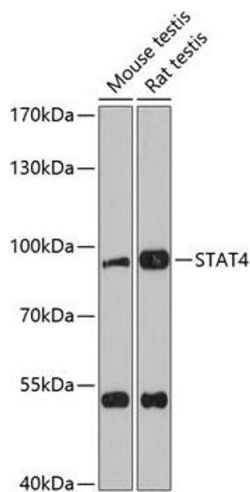
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded Rat testis using ST Rabbit pAb (ABIN1682908, ABIN1682909, ABIN5664112 and ABIN6219730) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of Jurkat cell line, using STAT4 antibody at dilution of 1:300.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using ST antibody (ABIN1682908, ABIN1682909, ABIN5664112 and ABIN6219730) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1682909.