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Datasheet for ABIN657644

## anti-STAT4 antibody (C-Term)

### 3 Images

#### Overview

Quantity:	400 µL
Target:	STAT4
Binding Specificity:	AA 666-695, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Immunogen:	This STAT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 666-695 amino acids from the C-terminal region of human STAT4.
Clone:	RB33689
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Target Details

Target:	STAT4
Alternative Name:	STAT4 ( <a href="#">STAT4 Products</a> )

## Target Details

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Background:	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.
Molecular Weight:	85941
Gene ID:	6775
NCBI Accession:	<a href="#">NP_001230764</a> , <a href="#">NP_003142</a>
UniProt:	<a href="#">Q14765</a>
Pathways:	<a href="#">JAK-STAT Signaling</a>

## Application Details

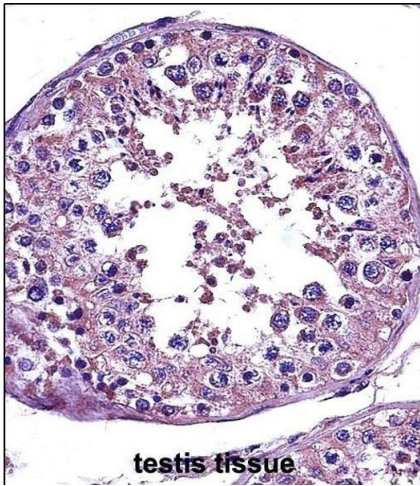
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Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

## Handling

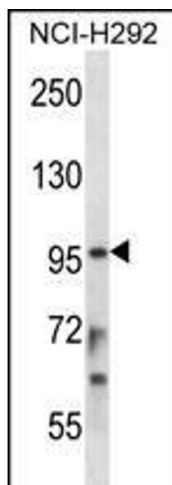
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Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	STAT4 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



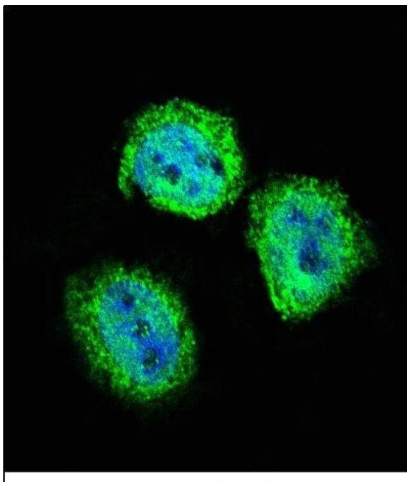
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** STAT4 Antibody (C-term) (ABIN657644 and ABIN2846639) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of STAT4 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



### Western Blotting

**Image 2.** STAT4 Antibody (C-term) (ABIN657644 and ABIN2846639) western blot analysis in NCI- cell line lysates (35 µg/lane). This demonstrates the STAT4 antibody detected the STAT4 protein (arrow).



### Immunofluorescence

**Image 3.** Confocal immunofluorescent analysis of STAT4 Antibody (C-term) (ABIN657644 and ABIN2846639) with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).