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## anti-SUPT4H antibody (AA 1-117)

**Images** 



#### Overview

Quantity:	100 μL
Target:	SUPT4H (SUPT4H1)
Binding Specificity:	AA 1-117
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUPT4H antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

## **Product Details**

Immunogen:	Recombinant Human Transcription elongation factor SPT4 protein (1-117AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	SUPT4H (SUPT4H1)
Alternative Name:	SUPT4H1 (SUPT4H1 Products)
Background:	Background: Component of the DRB sensitivity-inducing factor complex (DSIF complex), which
	regulates mRNA processing and transcription elongation by RNA polymerase II. DSIF positively

regulates mRNA capping by stimulating the mRNA guanylyltransferase activity of RNGTT/CAP1A. DSIF also acts cooperatively with the negative elongation factor complex (NELF complex) to enhance transcriptional pausing at sites proximal to the promoter.

Transcriptional pausing may facilitate the assembly of an elongation competent RNA polymerase II complex. DSIF and NELF promote pausing by inhibition of the transcription elongation factor TFIIS/S-II. TFIIS/S-II binds to RNA polymerase II at transcription pause sites and stimulates the weak intrinsic nuclease activity of the enzyme. Cleavage of blocked transcripts by RNA polymerase II promotes the resumption of transcription from the new 3\\\' terminus and may allow repeated attempts at transcription through natural pause sites. DSIF can also positively regulate transcriptional elongation and is required for the efficient activation of transcriptional elongation by the HIV-1 nuclear transcriptional activator, Tat. DSIF acts to suppress transcriptional pausing in transcripts derived from the HIV-1 LTR and blocks premature release of HIV-1 transcripts at terminator sequences.

Aliases: DRB sensitivity-inducing factor 14 kDa subunit antibody, DRB sensitivity-inducing factor small subunit antibody, DSIF p14 antibody, DSIF small subunit antibody, hSPT4 antibody, SPT4 antibody, SPT4H antibody, SPT4H\_HUMAN antibody, SUPT4H `1 antibody, SUPT4H antibody, Supt4h1 antibody, Transcription elongation factor spt4 antibody

UniProt:

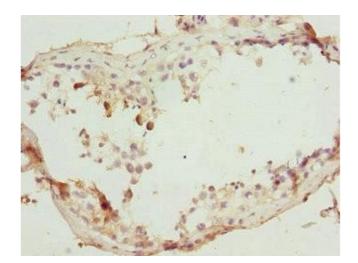
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#### **Application Details**

Application Notes:	Recommended dilution: IHC:1:20-1:200,
Restrictions:	For Research Use only

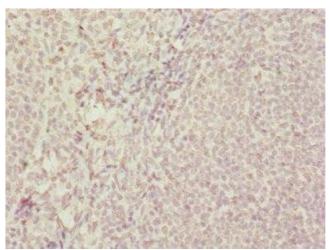
## Handling

Format:	Liquid
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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



## **Immunohistochemistry**

**Image 1.** Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7172439 at dilution of 1:100



## **Immunohistochemistry**

**Image 2.** Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7172439 at dilution of 1:100