

**SUPT4H1 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12070****Specification**

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**SUPT4H1 antibody - middle region - Product Information**

Application	WB
Primary Accession	<a href="#">P63272</a>
Other Accession	<a href="#">NM_003168</a> , <a href="#">NP_003159</a>
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Rat, Chicken, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 13kDa KDa

**SUPT4H1 antibody - middle region - Additional Information****Gene ID 6827**

Alias Symbol **SPT4H, SUPT4H, SPT4**

**Other Names**

Transcription elongation factor SPT4, hSPT4, DRB sensitivity-inducing factor 14 kDa subunit, DSIF p14, DRB sensitivity-inducing factor small subunit, DSIF small subunit, SUPT4H1, SPT4H, SUPT4H

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-SUPT4H1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

SUPT4H1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**SUPT4H1 antibody - middle region - Protein Information**

**Name** SUPT4H1

**Synonyms** SPT4H, SUPT4H

**Function**

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.

**Cellular Location**

Nucleus.

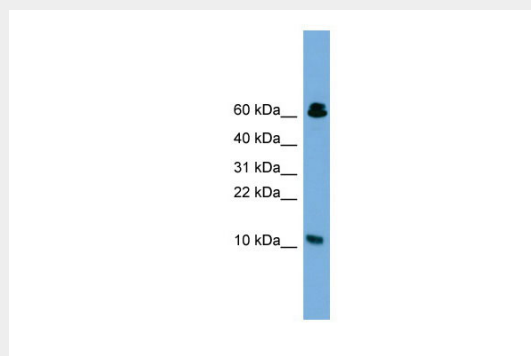
**Tissue Location**

Widely expressed.

**SUPT4H1 antibody - middle region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SUPT4H1 antibody - middle region - Images**

WB Suggested Anti-SUPT4H1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: 293T cell lysate