

SUPT5H Antibody
Rabbit mAb
Catalog # AP92573**Specification**

SUPT5H Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	O00267
Reactivity	Rat
Clonality	Monoclonal
Other Names	
hSPT5; SPT5; SPT5H; supt5h; Tat CT1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	121000 Da

SUPT5H Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SUPT5H
Description	Component of the DRB sensitivity-inducing factor complex (DSIF complex), which regulates mRNA processing and transcription elongation by RNA polymerase II.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

SUPT5H Antibody - Protein Information**Name** SUPT5H**Synonyms** SPT5, SPT5H**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.

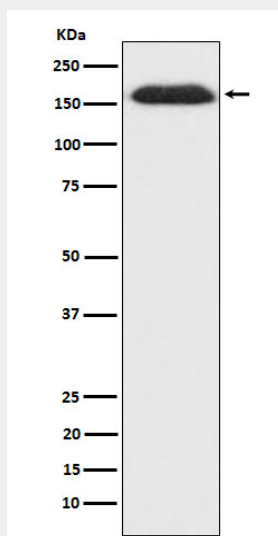
Tissue Location

Ubiquitously expressed.

SUPT5H Antibody - 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](#)

SUPT5H Antibody - Images

Western blot analysis of SUPT5H expression in HepG2 cell lysate.