

Rabbit anti-Human SUPT4H1 Polyclonal Antibody | anti-SUPT4H1 antibody

SUPT4H1 Antibody

CATALOG # AAA230984	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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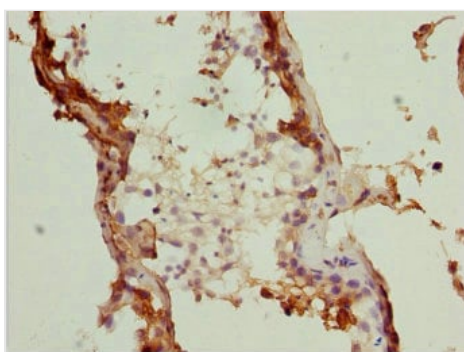
PRODUCT SYNONYMS

SUPT4H1; Polyclonal Antibody; SUPT4H1 Antibody; Transcription elongation factor SPT4; hSPT4; DRB sensitivity-inducing factor 14 kDa subunit; DSIF p14; DRB sensitivity-inducing factor small subunit; DSIF small subunit; SPT4H; SUPT4H; anti-SUPT4H1 antibody

PRODUCT SPECIFICATIONS

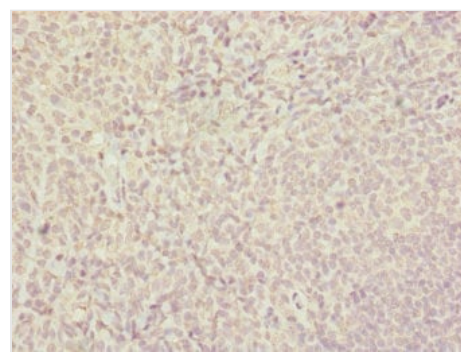
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	117
Applicable Applications for anti-SUPT4H1 antibody	IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Transcription elongation factor SPT4 protein (1-117AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-13834 / sc-13835 / sc-28677
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA230984 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human tonsil tissue using AAA230984 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-SUPT4H1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507311
NCBI GeneID	6827
NCBI Accession #	NP_003159.1
NCBI GenBank Nucleotide #	NM_003168.2
UniProt Accession #	P63272; Q16550; Q62387; Q6ZP89; B2R4X8; D3DTZ4
Molecular Weight	13,193 Da
NCBI Official Full Name	transcription elongation factor SPT4
NCBI Official Synonym Full Names	SPT4 homolog, DSIF elongation factor subunit
NCBI Official Symbol	SUPT4H1
NCBI Official Synonym Symbols	SPT4; SPT4H; SUPT4H; Supt4a
NCBI Protein Information	transcription elongation factor SPT4
UniProt Protein Name	Transcription elongation factor SPT4
UniProt Gene Name	SUPT4H1
UniProt Synonym Gene Names	SPT4H; SUPT4H; hSPT4; DSIF p14; DSIF small subunit
UniProt Entry Name	SPT4H_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/supt4h1-antibody-immunohistochemistry-elisa/230984>