

Datasheet for ABIN2780482
anti-SUPT4H antibody (Middle Region)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	SUPT4H (SUPT4H1)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Guinea Pig, Horse, Zebrafish (Danio rerio), Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUPT4H antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SUPT4H1
Sequence:	NCDAYLQMKG NREMVYDCTS SSFDGIIAMM SPEDSWVSKW QRVSNFKPGV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against SUPT4H1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	SUPT4H (SUPT4H1)
Alternative Name:	SUPT4H1 (SUPT4H1 Products)

Target Details

Background:	<p>SUPT4H1 is a 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.</p> <p>Alias Symbols: SPT4H, SUPT4H, SPT4</p> <p>Protein Interaction Partner: UBC, tat, SUPT5H, ZMYND8, APP, LRIF1, HMP19, PDLIM1, EWSR1, XRCC5, HTATSF1, ANXA5,</p> <p>Protein Size: 117</p>
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Molecular Weight:	13 kDa
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Gene ID:	6827
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NCBI Accession:	NM_003168 , NP_003159
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UniProt:	P63272
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 117 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-SUPT4H1 Antibody Titration:
0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: 293T cell lysate