

SUPT6H Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16555a**Specification**

SUPT6H Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q7KZ85
Other Accession	Q62383 , NP_003161.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	99-127

SUPT6H Antibody (N-term) - Additional Information**Gene ID** 6830**Other Names**

Transcription elongation factor SPT6, hSPT6, Histone chaperone suppressor of Ty6, Tat-cotransactivator 2 protein, Tat-CT2 protein, SUPT6H, KIAA0162, SPT6H

Target/Specificity

This SUPT6H antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 99-127 amino acids from the N-terminal region of human SUPT6H.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SUPT6H Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SUPT6H Antibody (N-term) - Protein Information**Name** SUPT6H

Synonyms KIAA0162, SPT6H

Function Histone H3-H4 chaperone that plays a key role in the regulation of transcription elongation and mRNA processing. Enhances the transcription elongation by RNA polymerase II (RNAPII) and is also required for the efficient activation of transcriptional elongation by the HIV-1 nuclear transcriptional activator, Tat. Besides chaperoning histones in transcription, acts to transport and splice mRNA by forming a complex with IWS1 and the C-terminal domain (CTD) of the RNAPII subunit RPB1 (POLR2A). The SUPT6H:IWS1:CTD complex recruits mRNA export factors (ALYREF/THOC4, EXOSC10) as well as histone modifying enzymes (such as SETD2), to ensure proper mRNA splicing, efficient mRNA export and elongation-coupled H3K36 methylation, a signature chromatin mark of active transcription. SUPT6H via its association with SETD1A, regulates both class-switch recombination and somatic hypermutation through formation of H3K4me3 epigenetic marks on activation-induced cytidine deaminase (AICDA) target loci. Promotes the activation of the myogenic gene program by entailing erasure of the repressive H3K27me3 epigenetic mark through stabilization of the chromatin interaction of the H3K27 demethylase KDM6A.

Cellular Location

Nucleus.

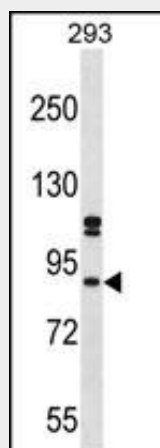
Tissue Location

Ubiquitously expressed.

SUPT6H Antibody (N-term) - 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](#)

SUPT6H Antibody (N-term) - Images

SUPT6H Antibody (N-term) (Cat. #AP16555a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the SUPT6H antibody detected the SUPT6H protein (arrow).

SUPT6H Antibody (N-term) - Background

SUPT6H acts to stimulate transcriptional elongation by RNA polymerase II.

SUPT6H Antibody (N-term) - References

Olsen, J.V., et al. Cell 127(3):635-648(2006)
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Endoh, M., et al. Mol. Cell. Biol. 24(8):3324-3336(2004)
Wu-Baer, F., et al. J. Mol. Biol. 277(2):179-197(1998)
Chiang, P.W., et al. Genomics 47(3):426-428(1998)