

SUPT6H antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10088

Product Information

Application	WB
Primary Accession	Q7KZ85
Other Accession	Q7KZ85 , NP_003161 , NM_003170
Reactivity	Mouse, Rat, Rabbit, Dog, Horse, Bovine
Predicted	Mouse, Rat, Rabbit, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	199073

Additional Information

Gene ID	6830
Alias Symbol	KIAA0162, MGC87943, SPT6, SPT6H, emb-5
Other Names	Transcription elongation factor SPT6, hSPT6, Histone chaperone suppressor of Ty6, Tat-cotransactivator 2 protein, Tat-CT2 protein, SUPT6H, KIAA0162, SPT6H
Target/Specificity	SUPT6H may be functionally analogous to SPT6 and emb-5 and may therefore regulate transcription through establishment or maintenance of chromatin structure. Spt6 may also participates in the regulation of transcription by RNA polymerase II (RNAPII). Human Spt6 (hSpt6) is a classic transcription elongation factor that enhances the rate of RNAPII elongation. HSpt6 is capable of stimulating transcription elongation both individually and in concert with DRB sensitivity-inducing factor (DSIF).
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-SUPT6H 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	SUPT6H antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

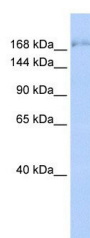
Name	SUPT6H
Synonyms	KIAA0162, SPT6H

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.

Background

This is a rabbit polyclonal antibody against SUPT6H. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

Images



SUPT6H antibody - N-terminal region (AI10088) in Human Jurkat cells using Western Blot
 WB Suggested Anti-SUPT6H Antibody Titration: 0.2-1 µg/ml
 ELISA Titer: 1:12500
 Positive Control: Jurkat cell lysate
 SUPT6H is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.