

## anti- SUPT6H antibody

### Product Information

Catalog No.:	FNab08395
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Transcription elongation factor which binds histone H3 and 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.

### Immunogen information

Immunogen:	suppressor of Ty 6 homolog( <i>S. cerevisiae</i> )
Synonyms:	KIAA0162, SPT6H

### Wuhan Fine Biotech Co., Ltd.

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Observed MW: 230 kDa

UniprotID : Q7KZ85

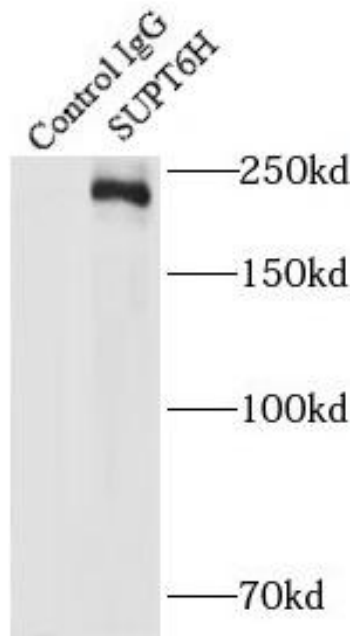
### Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:2000

Image:



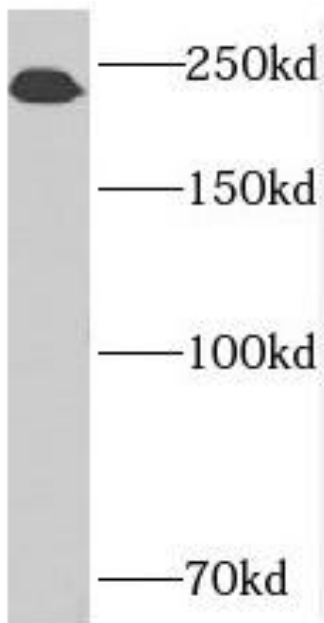
IP Result of anti-SUPT6H (IP:FNab08395, 4ug;  
Detection:FNab08395 1:1000) with HEK-293 cells  
lysate 1200ug.

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HeLa cells were subjected to SDS PAGE followed by western blot with FNab08395(SUPT6H antibody) at dilution of 1:1000