

Rat anti-Human Supt5H/SPT5 Monoclonal Antibody | anti-Supt5H/SPT5 antibody

Supt5H/SPT5 antibody (mAb)(Clone 6F1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60094	Rat	Human	Western Blot, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

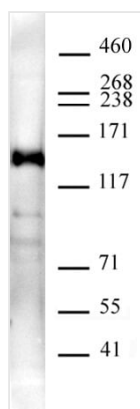
PRODUCT SYNONYMS

Supt5H/SPT5; Monoclonal Antibody; Supt5H/SPT5 antibody (mAb)(Clone 6F1); SPT5 Homolog; DSIF Elongation Factor Subunit; DSIF Large Subunit; Transcription Elongation Factor SPT5; anti-Supt5H/SPT5 antibody

PRODUCT SPECIFICATIONS

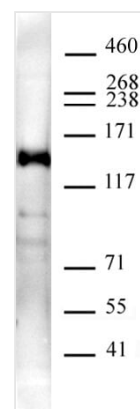
Host	Rat
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6F1
Purity/Purification	Protein G Chromatography
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-Supt5H/SPT5 antibody	WB (Western Blot), IP (Immunoprecipitation), ChIP (Chromatin immunoprecipitation)
Immunogen	This antibody was raised against a synthetic peptide derived from the human SPT5 C-terminal region.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



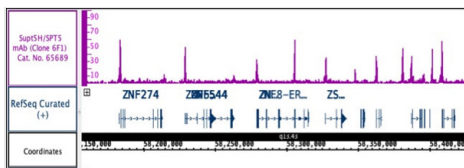
WB (Western Blot)

Supt5H/SPT5 antibody (mAb) tested by Western blot 20 ug of K562 nuclear extract was run on SDS-PAGE and probed with antibody at 2 ug/ml.



WB (Western Blot)

Supt5H/SPT5 antibody (mAb) tested by Immunoprecipitation 5 ug of Supt5H antibody (Lane 1) or an unrelated IgG (Lane 2) was used to immunoprecipitate Supt5H from 300 ug of K562 nuclear extract. The immunoprecipitated protein was detected by Western blotting using the same Supt5H antibody at 2 ug/ml (crossreaction between heavy and light chains of the antibody is observed and is common).



ChIP (Chromatin Immunoprecipitation)

Supt5H/SPT5 antibody (mAb) tested by ChIP-Seq Chromatin immunoprecipitation (ChIP) was performed using the ChIP-IT High Sensitivity Kit with 30 ug of K562 cell chromatin and 4 ug of antibody. ChIP DNA was sequenced on the Illumina NextSeq and 12 million sequence tags were mapped to identify Supt5H binding sites on chromosome 19.

ADDITIONAL INFORMATION

Related Product Information for anti-Supt5H/SPT5 antibody

Short Description: Our Supt5H/SPT5 antibody (mAb)(Clone 6F1) was raised in a Rat host. It has been validated for use in ChIP-Seq, Immunoprecipitation and Western blot; it has been shown to react with Human samples.

Background: SUPT5H (SPT5 Homolog, DSIF Elongation Factor Subunit) is a transcription elongation factor which regulates mRNA processing and transcription elongation by RNA polymerase II. SUPT5H positively regulates mRNA capping by stimulating the mRNA guanylyltransferase activity of RNGTT/CAP1A. SUPT5H also acts cooperatively with the negative elongation factor complex (NELF complex) to enhance transcriptional pausing at sites proximal to the promoter. Diseases associated with SUPT5H include HIV-1. Among its related pathways are mRNA capping and HIV life cycle.

Product Categories/Family for anti-Supt5H/SPT5 antibody

[Primary Antibodies](#)

NCBI AND UNIPROT INFORMATION

Molecular Weight

140kDa

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/monoclonal/supt5h-spt5-antibody-clone-6f1-western-blot-immunoprecipitation-chromatin-immunoprecipitation-elisa/60094>