

SPT5 Monoclonal Antibody | anti-SPT5 antibody

SPT5 Rabbit mAb

CATALOG # AAA314574	HOST Recombinant Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

SPT5; Monoclonal Antibody; SPT5 Rabbit mAb; SPT5H; Tat-CT1; anti-SPT5 antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	S01-5C2
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-SPT5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human SPT5
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of SPT5 in paraffin-embedded Human breast cancer tissue using SPT5 Rabbit mAb at dilution 1/50



WB (Western Blot)

Western blot detection of SPT5 in HeLa, A549, HL-60 cell lysates using SPT5 Rabbit mAb (1:1000 diluted). Predicted band size: 121kDa. Observed band size: 150kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SPT5 antibody	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.
Product Categories/Family for anti-SPT5 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GeneID	6829
UniProt Accession #	O00267
Molecular Weight	Calculated MW:121kDa Observed MW:150kDa
UniProt Protein Name	Transcription elongation factor SPT5
UniProt Gene Name	SUPT5H
UniProt Synonym Gene Names	SPT5; SPT5H
UniProt Entry Name	SPT5H_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/spt5-antibody-clone-s01-5c2-immunohistochemistry-western-blot-elisa/314574>