

# Anti-SPT5 antibody ab26259

**1 References** [画像数 3](#)

### 製品の概要

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製品名	Anti-SPT5 antibody
製品の詳細	Rabbit polyclonal to SPT5
由来種	Rabbit
特異性	ab26259 recognises SPT5 protein.
アプリケーション	<b>適用あり:</b> ELISA, WB, IHC-P
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat, Chicken, Cow, Dog, Zebrafish 
免疫原	Synthetic peptide within Human SPT5 aa 892-941 (C terminal). The exact sequence is proprietary. Sequence: PYAAPSPQGSYQPSPSPQSYHQVAPSPAGYQNTHSPASYHPT PSPMAYQA  Database link: <a href="#">O00267</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
ポジティブ・コントロール	HepG2 cell lysate, human kidney tissue, human pancreas tissue

### 製品の特性

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製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
精製度	Immunogen affinity purified
ポリモノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

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## The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab26259の使用に適用されます**

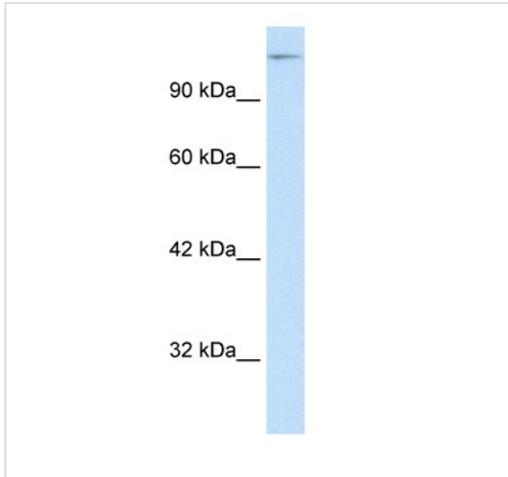
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ELISA		1/62500.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 121 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
IHC-P		Use at an assay dependent concentration.

## ターゲット情報

<b>機能</b>	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 TFIIIS/S-II. TFIIIS/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.
<b>組織特異性</b>	Ubiquitously expressed.
<b>配列類似性</b>	Belongs to the SPT5 family. Contains 5 KOW domains.
<b>翻訳後修飾</b>	Methylated by PRMT1/HRMT1L2 and PRMT5/SKB1. Methylation negatively regulates interaction with P-TEFb and RNA polymerase II. Phosphorylated. Phosphorylation by P-TEFb alleviates transcriptional pausing and can stimulate transcriptional elongation from the HIV-1 LTR. P-TEFb dependent phosphorylation is stimulated by the HIV-1 Tat protein. Phosphorylation may also stimulate interaction with PIN1. Bulk phosphorylation occurs predominantly in mitosis.
<b>細胞内局在</b>	Nucleus.

## 画像



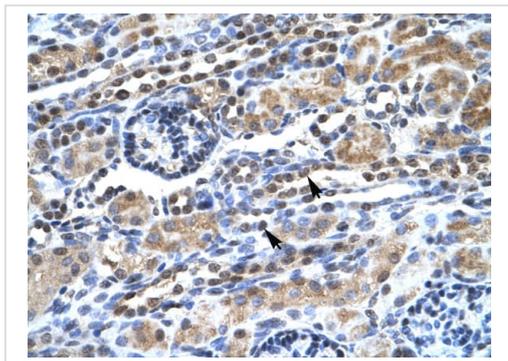
Western blot - Anti-SPT5 antibody (ab26259)

Anti-SPT5 antibody (ab26259) at 0.5 µg/ml + HepG2 cell lysate

**Secondary**

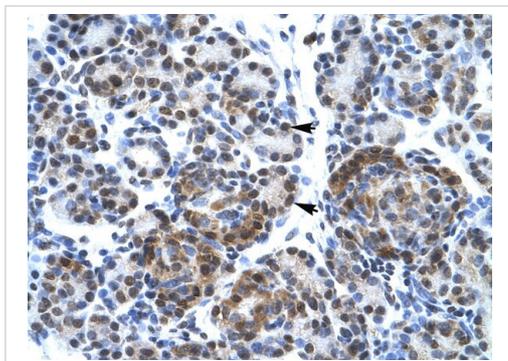
HRP conjugated anti-Rabbit IgG diluted 1/50000 - 1/100000

**Predicted band size:** 121 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SPT5 antibody (ab26259)

Staining of human kidney tissue with ab26259 (4-8 µg/ml). Positive labelled epithelial cells of renal tubule are indicated with arrows. 400X magnification.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SPT5 antibody (ab26259)

Staining of human pancreas tissue with ab26259 (4-8 µg/ml). Positive labelled epithelial cells of pancreatic acinus are indicated with arrows. 400X magnification.

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