

Anti-SPT5 antibody [EPR5145(2)] - BSA and Azide free ab248118

リコンビナント **RabMAb**

画像数 5

製品の概要

製品名	Anti-SPT5 antibody [EPR5145(2)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR5145(2)] to SPT5 - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, IHC-P, WB 適用なし: Flow Cyt or IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab248118 is the carrier-free version of ab126592.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

製品の特性

製品の状態

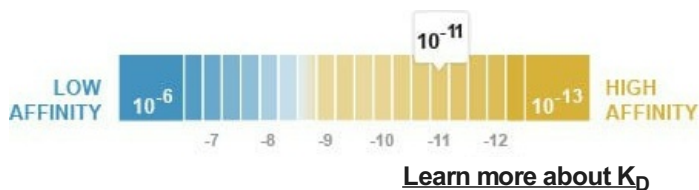
Liquid

保存方法

Shipped at 4°C. Store at +4°C. Do Not Freeze.

解離定数 (K_D 値)

$K_D = 5.31 \times 10^{-11}$ M



バッファー

pH: 7.2

Constituent: PBS

キャリア・フリー

はい

精製度

Protein A purified

ポリ/モノ

モノクローナル

クローン名

EPR5145(2)

アイソタイプ

IgG

アプリケーション

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ab248118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確認ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 160 kDa (predicted molecular weight: 121 kDa).

追加情報

Is unsuitable for Flow Cyt or IP.

ターゲット情報

機能

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.

組織特異性

Ubiquitously expressed.

配列類似性

Belongs to the SPT5 family.

Contains 5 KOW domains.

翻訳後修飾

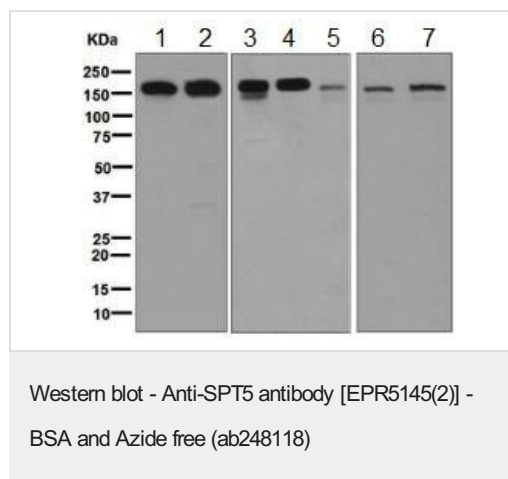
Methylated by PRMT1/HRMT1L2 and PRMT5/SKB1. Methylation negatively regulates interaction with P-TEFb and RNA polymerase II.

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.

細胞内局在

Nucleus.

画像



All lanes : Anti-SPT5 antibody [EPR5145(2)] ([ab126592](#)) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : RAW 264.7 cell lysate

Lane 4 : PC-12 cell lysate

Lane 5 : NIH/3T3 cell lysate

Lane 6 : Jurkat cell lysate

Lane 7 : 293T cell lysate

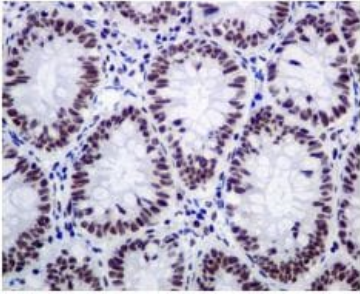
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP conjugated at 1/2000 dilution

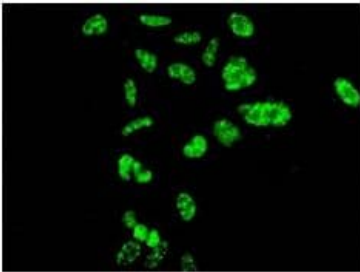
Predicted band size: 121 kDa

This data was developed using [ab126592](#), the same antibody clone in a different buffer formulation.



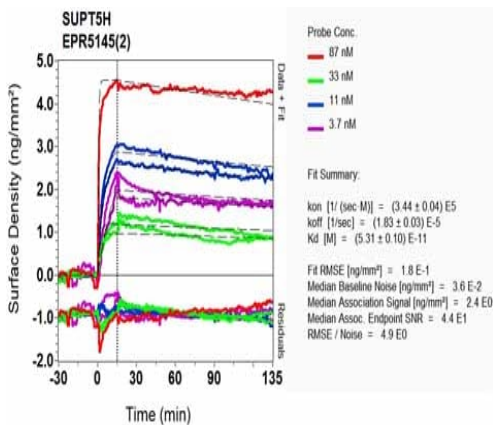
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SPT5 antibody [EPR5145(2)] - BSA and Azide free (ab248118)

This data was developed using [ab126592](#), the same antibody clone in a different buffer formulation. [ab126592](#) at 1/100 dilution staining SPT5 in paraffin-embedded Human colon tissue by immunohistochemistry. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-SPT5 antibody [EPR5145(2)] - BSA and Azide free (ab248118)

This data was developed using [ab126592](#), the same antibody clone in a different buffer formulation. [ab126592](#) at 1/100 dilution staining SPT5 in HeLa cells by immunofluorescence.



OIR-D Scanning - Anti-SPT5 antibody [EPR5145(2)] - BSA and Azide free (ab248118)

This data was developed using [ab126592](#), the same antibody clone in a different buffer formulation. Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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