

Product datasheet

Anti-SUPT5H antibody ab84451

2 图像

概述

产品名称	Anti-SUPT5H抗体
描述	兔多克隆抗体to SUPT5H
宿主	Rabbit
经测试应用	适用于: IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan ▲
免疫原	Synthetic peptide corresponding to a region between residues 1040 and the C-terminus (residue 1087) of Human SUPT5H (NP_003160.2).
阳性对照	Human breast adenocarcinoma. Mouse teratoma.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: 0.1% BSA, Tris buffered saline
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab84451** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
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IHC-P

应用说明 IHC-P: 1/100 - 1/500. Epitope exposure is recommended. Epitope exposure with citrate buffer

will enhance staining.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

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.

组织特异性

Ubiquitously expressed.

序列相似性

Belongs to the SPT5 family.

Contains 5 KOW domains.

翻译后修饰

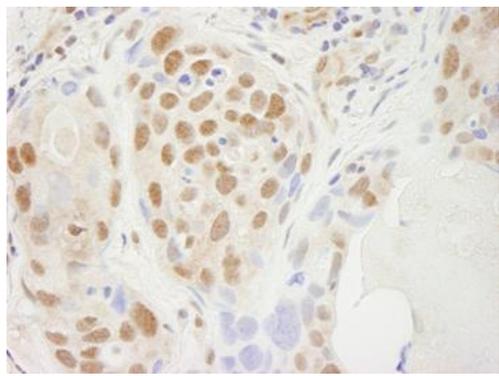
Methylated by PRMT1/HRMT1L2 and PRMT5/SKB1. Methylation negatively regulates interaction with P-TEFb and RNA polymerase II.

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.

细胞定位

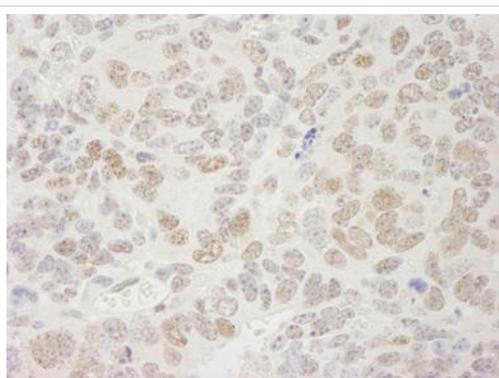
Nucleus.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - SUPT5H antibody (ab84451)

ab84451, at 1/250 dilution, staining SUPT5H in formalin-fixed, paraffin-embedded human breast adenocarcinoma by Immunohistochemistry, using DAB detection.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - SUPT5H antibody (ab84451)

ab84451, at 1/250 dilution, staining SUPT5H in formalin-fixed, paraffin-embedded mouse teratoma by Immunohistochemistry, using DAB detection.

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