

### Anti-SET/TAF-I antibody ab92872

★★★★★ [3 Abreviews](#) [1 References](#) [5 图像](#)

#### 概述

产品名称	Anti-SET/TAF-I抗体
描述	兔多克隆抗体to SET/TAF-I
宿主	Rabbit
经测试应用	适用于: WB, IP, IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide corresponding to Human SET/TAF-I aa 125-175. Sequence: VTEFEDIKSG YRIDFYFDEN PYFENKVLISK EFHLNESGDP SSKSTEIKWK S  Database link: <a href="#">NP_001116293.1</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
阳性对照	WB: HeLa, 293T and NIH3T3 whole cell lysate, Lysate of the soluble fraction of HeLa or U2OS cells. IHC-P: Human ovarian carcinoma and Mouse renal cell carcinoma tissue. IP: HeLa whole cell lysate.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.  If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

#### 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	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: Tris buffered saline, 0.1% BSA

纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab92872于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

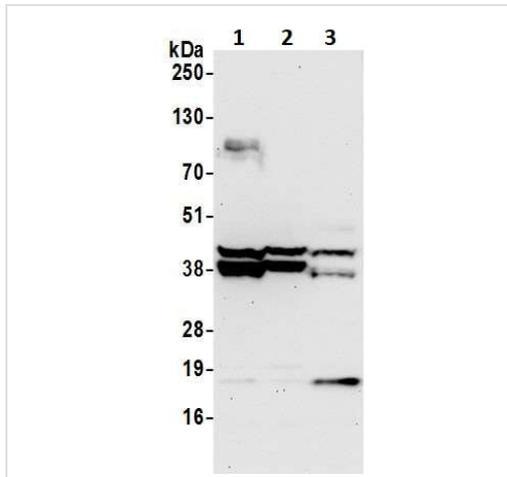
应用	Ab评论	说明
WB	★★★★★ (3)	Use a concentration of 0.1 µg/ml. Predicted molecular weight: 33 kDa.
IP		Use at 3-5 µg/mg of lysate.
IHC-P		1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## 靶标

功能	Multitasking protein, involved in apoptosis, transcription, nucleosome assembly and histone binding. Isoform 2 anti-apoptotic activity is mediated by inhibition of the GZMA-activated DNase, NME1. In the course of cytotoxic T-lymphocyte (CTL)-induced apoptosis, GZMA cleaves SET, disrupting its binding to NME1 and releasing NME1 inhibition. Isoform 1 and isoform 2 are potent inhibitors of protein phosphatase 2A. Isoform 1 and isoform 2 inhibit EP300/CREBBP and PCAF-mediated acetylation of histones (HAT) and nucleosomes, most probably by masking the accessibility of lysines of histones to the acetylases. The predominant target for inhibition is histone H4. HAT inhibition leads to silencing of HAT-dependent transcription and prevents active demethylation of DNA. Both isoforms stimulate DNA replication of the adenovirus genome complexed with viral core proteins; however, isoform 2 specific activity is higher.
组织特异性	Widely expressed. Low levels in quiescent cells during serum starvation, contact inhibition or differentiation. Highly expressed in Wilms' tumor.
疾病相关	Note=A chromosomal aberration involving SET is found in some cases of acute undifferentiated leukemia (AUL). Translocation t(6;9)(q21;q34.1) with NUP214/CAN.
序列相似性	Belongs to the nucleosome assembly protein (NAP) family.
结构域	The C-terminal acidic domain mediates the inhibition of histone acetyltransferases and is required for the DNA replication stimulatory activity.
翻译后修饰	Isoform 2 is phosphorylated on Ser-15 and Thr-23. Isoform 2 is acetylated on Lys-11. Some glutamate residues are glycylylated by TTLL8. This modification occurs exclusively on glutamate residues and results in a glycine chain on the gamma-carboxyl group. N-terminus of isoform 1 is methylated by METTL11A/NTM1. Mainly trimethylated.
细胞定位	Cytoplasm > cytosol. Endoplasmic reticulum. Nucleus > nucleoplasm. In the cytoplasm, found both in the cytosol and associated with the endoplasmic reticulum. Following CTL attack, moves rapidly to the nucleus, where it is found in the nucleoplasm, avoiding the nucleolus. Similar translocation to the nucleus is also observed for lymphocyte-activated killer cells after the addition

of calcium. The SET complex is associated with the endoplasmic reticulum.

## 图片



Western blot - Anti-SET/TAF-I antibody (ab92872)

**All lanes :** Anti-SET/TAF-I antibody (ab92872) at 0.1  $\mu\text{g/ml}$

**Lane 1 :** HeLa whole cell lysate

**Lane 2 :** HEK293T whole cell lysate

**Lane 3 :** Mouse NIH3T3 whole cell lysate

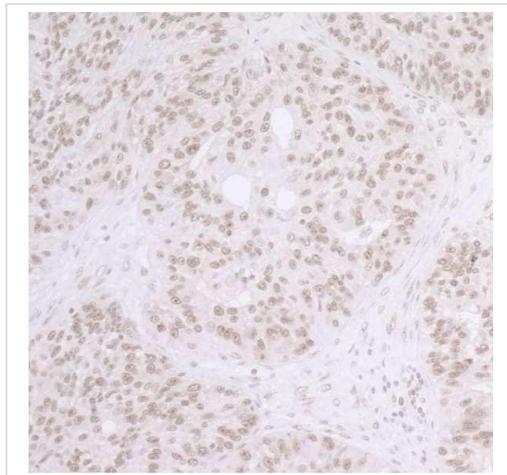
Lysates/proteins at 50  $\mu\text{g}$  per lane.

**Predicted band size:** 33 kDa

**Exposure time:** 30 seconds

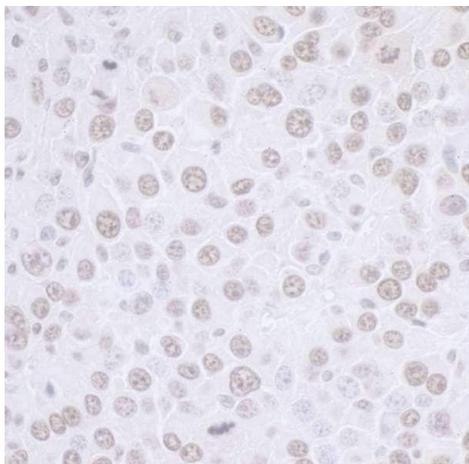
**Detection:** Chemiluminescence.

Lysates prepared using NETN lysis buffer.



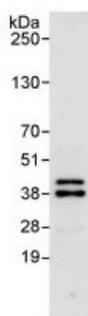
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SET/TAF-I antibody (ab92872)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human ovarian carcinoma tissue, labeling SET/TAF-I with ab92872 at 1/1000 (0.2  $\mu\text{g/mL}$ ) dilution. Detection: DAB.



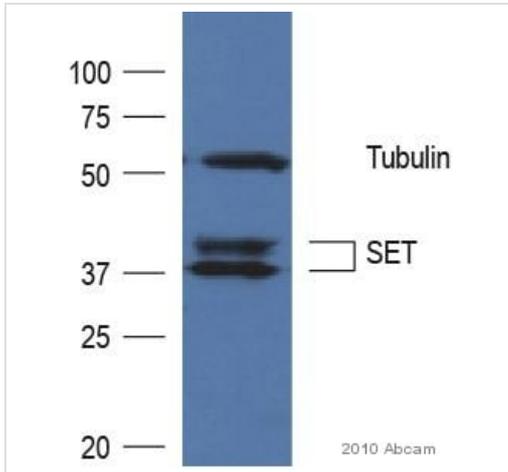
Immunohistochemical analysis of formalin-fixed, paraffin-embedded mouse renal cell carcinoma tissue, labeling SET/TAF-I with ab92872 at 1/1000 (0.2  $\mu\text{g}/\text{mL}$ ) dilution. Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SET/TAF-I antibody (ab92872)



3 $\mu\text{g}$  ab92872 were used to immunoprecipitate SET/TAF-I from 1mg HeLa whole cell lysate. 20% IP was loaded and probed with ab92872 at 1 $\mu\text{g}/\text{ml}$ .

Immunoprecipitation - Anti-SET/TAF-I antibody (ab92872)



Western blot - Anti-SET/TAF-I antibody (ab92872)

This image is courtesy of an anonymous Abreview

Anti-SET/TAF-I antibody (ab92872) at 1/2000 dilution ((in 3% milk in PBST). Incubation was for 24 hours at 4°C.) + Lysate of the soluble fraction of HeLa or U2OS cells at 30 µg

#### Secondary

An HRP polymer Goat anti-rabbit IgG polyclonal at 1/10000 dilution

Developed using the ECL technique.

**Predicted band size:** 33 kDa

**Observed band size:** ~37, ~40 kDa

**Exposure time:** 1 minute

**Blocking Step:** 5% Milk for 30 minutes at room temperature.

ab92872 recognises both isoforms of human SET/TAF-I.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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