

Anti-KMT5A / SETD8 / Pr-SET7 antibody ab111691

★★★★★ [3 Abreviews](#) [3 References](#) [2 图像](#)

概述

产品名称	Anti-KMT5A / SETD8 / Pr-SET7抗体
描述	兔多克隆抗体to KMT5A / SETD8 / Pr-SET7
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human
免疫原	Recombinant fragment corresponding to Human KMT5A/ SETD8/ Pr-SET7 aa 50-300. Recombinant fragment, corresponding to a region within amino acids 81-290 of Human KMT5A/ SETD8/ Pr-SET7, isoform 1(42kda) and 2(39KDa)
阳性对照	NT2D1, IMR32, U-87 MG and MCF7 whole cell lysates; HeLa xenograft tissue.
常规说明	<p>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.</p> <p>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</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
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ab111691于以下的经测试应用

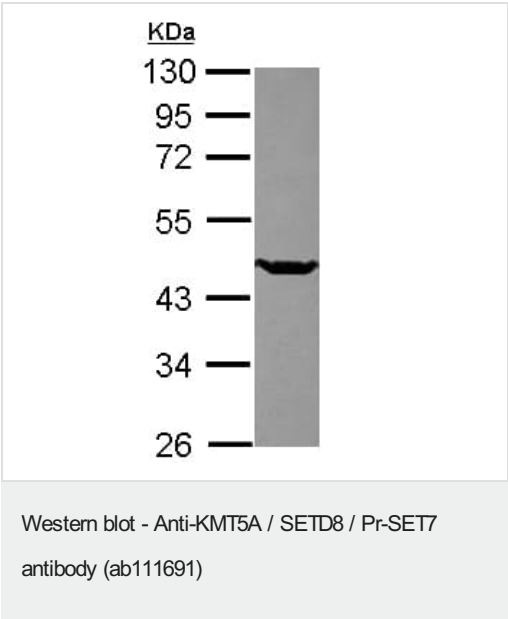
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (3)	1/500 - 1/3000. Predicted molecular weight: 39 kDa.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能	Protein-lysine N-methyltransferase that monomethylates both histones and non-histone proteins. Specifically monomethylates 'Lys-20' of histone H4 (H4K20me1). H4K20me1 is enriched during mitosis and represents a specific tag for epigenetic transcriptional repression. Mainly functions in euchromatin regions, thereby playing a central role in the silencing of euchromatic genes. Required for cell proliferation, probably by contributing to the maintenance of proper higher order structure of DNA during mitosis. Involved in chromosome condensation and proper cytokinesis. Nucleosomes are preferred as substrate compared to free histones. Mediates monomethylation of p53/TP53 at 'Lys-382', leading to repress p53/TP53-target genes.
序列相似性	Belongs to the histone-lysine methyltransferase family. PR/SET subfamily. Contains 1 SET domain.
发展阶段	Not detected during G1 phase. First detected during S through G2 phases, and peaks during mitosis (at protein level).
结构域	Although the SET domain contains the active site of enzymatic activity, both sequences upstream and downstream of the SET domain are required for methyltransferase activity.
细胞定位	Nucleus. Chromosome. Specifically localizes to mitotic chromosomes. Associates with silent chromatin on euchromatic arms. Not associated with constitutive heterochromatin.

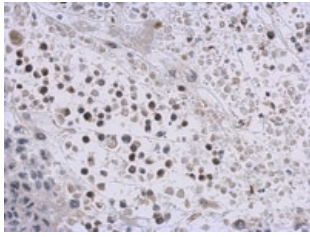
图片



Anti-KMT5A / SETD8 / Pr-SET7 antibody (ab111691) at 1/2000 dilution + U-87 MG whole cell lysate at 30 µg

Predicted band size: 39 kDa

10% SDS-PAGE.



ab111691 at 1/500 dilution staining KMT5A / SETD8 / Pr-SET7 in Formalin-fixed, paraffin-embedded HeLa xenograft tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KMT5A / SETD8 / Pr-SET7 antibody (ab111691)

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

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