

产品名称: SETD7 Mouse Monoclonal Antibody  
产品货号: AMM82270



## 产品概述 (Summary)

|                        |                                 |
|------------------------|---------------------------------|
| 产品名称 (Production Name) | SETD7 Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody       |
| 宿主 (Host)              | Mouse                           |
| 应用 (Application)       | WB,ELISA,FC                     |
| 种属反应性 (Reactivity)     | Human,Rat,Monkey                |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | Mouse IgG2a                                                                              |
| 克隆 (Clonality)      | Monoclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | Purified antibody in PBS with 0.05% sodium azide                                         |
| 纯化方式 (Purification) | Affinity Purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | SETD7                                                                                   |
| 别名 (Alternative Names) | KMT7; SET7; SET9; SET7/9                                                                |
| 基因 ID (Gene ID)        | 80854.0                                                                                 |
| 蛋白 ID (SwissProt ID)   | Q8WTS6.Purified recombinant fragment of human SETD7 (AA: 107-366) expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 40.7kDa                                             |

## 研究背景 (Background)

Histone methyltransferase that specifically monomethylates Lys-4 of histone H3. H3 Lys-4 methylation represents a specific

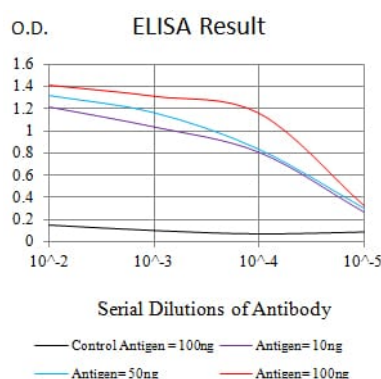
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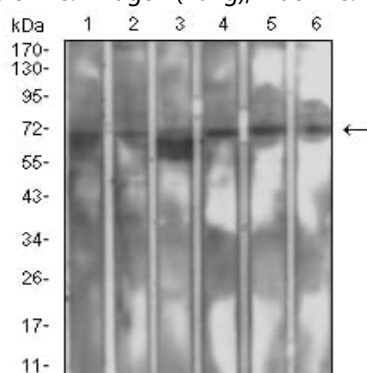
tag for epigenetic transcriptional activation. Plays a central role in the transcriptional activation of genes such as collagenase or insulin. Recruited by IPF1/PDX-1 to the insulin promoter, leading to activate transcription. Has also methyltransferase activity toward non-histone proteins such as p53/TP53, TAF10, and possibly TAF7 by recognizing and binding the [KR]-[STA]-K in substrate proteins. Monomethylates Lys-189 of TAF10, leading to increase the affinity of TAF10 for RNA polymerase II. Monomethylates Lys-372 of p53/TP53, stabilizing p53/TP53 and increasing p53/TP53-mediated transcriptional activation.

## 研究领域 (Research Area)

## 图片 (Image Data)

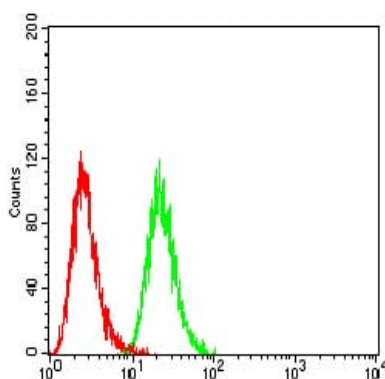


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using SETD7 mouse mAb against MCF-7 (1), Hela (2), A549 (3), COS7 (4), Jurkat (5), and PC-12 (6) cell lysate.

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Flow cytometric analysis of Hela cells using SETD7 mouse mAb (green) and negative control (red).

### 注意事项 (Note)

For research use only .