

产品名称: SETD7 Mouse Monoclonal Antibody
产品货号: AMM82271



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,IHC,ELISA
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 IgG1
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,IHC 1:200-1:1000,ELISA 1:5000-1:20000
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

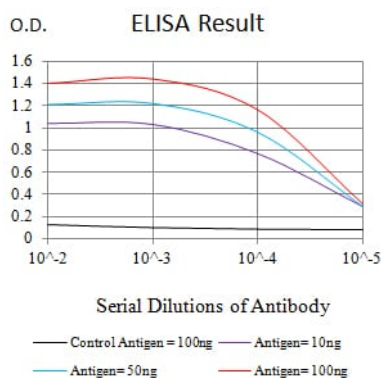
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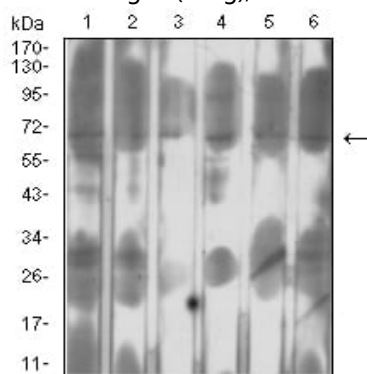
tag for epigenetic transcriptional activation. Plays a central role in the transcriptional activation of genes such as collagenase or insulin. Recruited by IPF1/PDX-1 to the insulin promoter, leading to activate transcription. Has also methyltransferase activity toward non-histone proteins such as p53/TP53, 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)

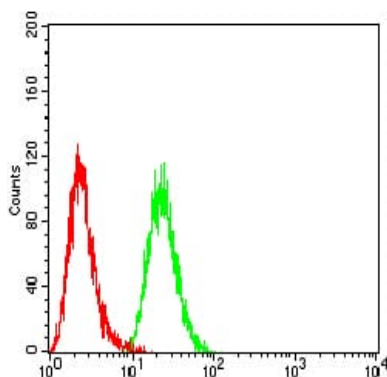


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



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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Immunohistochemical analysis of paraffin-embedded human Hela tissues using SETD7 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .