

产品名称: MYSM1 Rabbit Polyclonal Antibody
产品货号: APRab14357



产品概述 (Summary)

产品名称 (Production Name)	MYSM1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MYSM1
别名 (Alternative Names)	MYSM1; KIAA1915; Histone H2A deubiquitinase MYSM1; 2A-DUB; Myb-like; SWIRM and MPN domain-containing protein 1
基因 ID (Gene ID)	114803.0
蛋白 ID (SwissProt ID)	Q5VVJ2.The antiserum was produced against synthesized peptide derived from human MYSM1. AA range:520-569

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	95kDa

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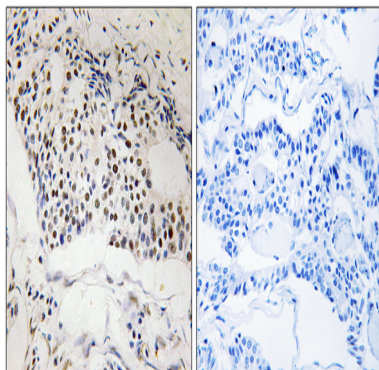


研究背景 (Background)

catalytic activity: Ubiquitin C-terminal thioester + H₂O = ubiquitin + a thiol., domain: Binds double-stranded DNA via the SANT domain. The SWIRM domain does not bind double-stranded DNA., function: Metalloprotease that specifically deubiquitinates monoubiquitinated histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Preferentially deubiquitinates monoubiquitinated H2A in hyperacetylated nucleosomes. Deubiquitination of histone H2A leads to facilitate the phosphorylation and dissociation of histone H1 from the nucleosome. Acts as a coactivator by participating in the initiation and elongation steps of androgen receptor (AR)-induced gene activation., PTM: Phosphorylated upon DNA damage, probably by ATM or ATR., similarity: Belongs to the peptidase M67A family. MYSM1 subfamily., similarity: Contains 1 MPN (JAB/Mov34) domain., similarity: Contains 1 SANT domain., similarity: Contains 1 SWIRM domain., subunit: Component of a large chromatin remodeling complex, at least composed of MYSM1, PCAF, RBM10 and KIF11/TRIP5. Binds histones., catalytic activity: Ubiquitin C-terminal thioester + H₂O = ubiquitin + a thiol., domain: Binds double-stranded DNA via the SANT domain. The SWIRM domain does not bind double-stranded DNA., function: Metalloprotease that specifically deubiquitinates monoubiquitinated histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Preferentially deubiquitinates monoubiquitinated H2A in hyperacetylated nucleosomes. Deubiquitination of histone H2A leads to facilitate the phosphorylation and dissociation of histone H1 from the nucleosome. Acts as a coactivator by participating in the initiation and elongation steps of androgen receptor (AR)-induced gene activation., PTM: Phosphorylated upon DNA damage, probably by ATM or ATR., similarity: Belongs to the peptidase M67A family. MYSM1 subfamily., similarity: Contains 1 MPN (JAB/Mov34) domain., similarity: Contains 1 SANT domain., similarity: Contains 1 SWIRM domain., subunit: Component of a large chromatin remodeling complex, at least composed of MYSM1, PCAF, RBM10 and KIF11/TRIP5. Binds histones.,

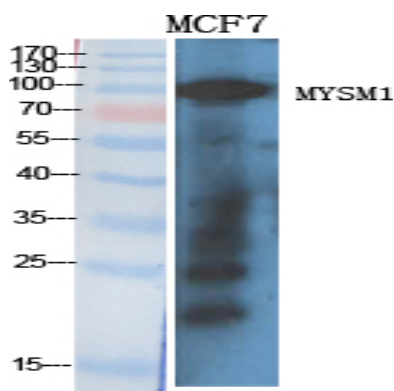
研究领域 (Research Area)

图片 (Image Data)

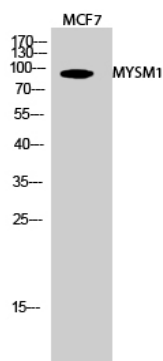


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using MYSM1 Antibody. The picture on the right is blocked with the synthesized peptide.

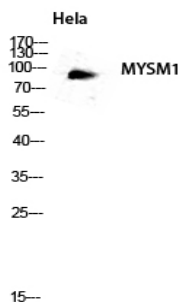
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Western Blot analysis of various cells using MYSM1 Polyclonal Antibody diluted at 1: 2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .



Western Blot analysis of MCF7 cells using MYSM1 Polyclonal Antibody diluted at 1: 2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .



Western blot analysis of HeLa lysis using MYSM1 antibody. Antibody was diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

注意事项 (Note)

For research use only .