

Rabbit anti-Human, mouse MYSM1 Polyclonal Antibody | anti-MYSM1 antibody

MYSM1 Antibody (N-term)

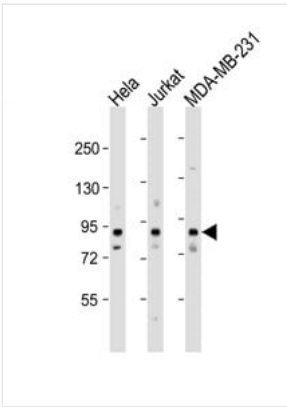
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286898	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

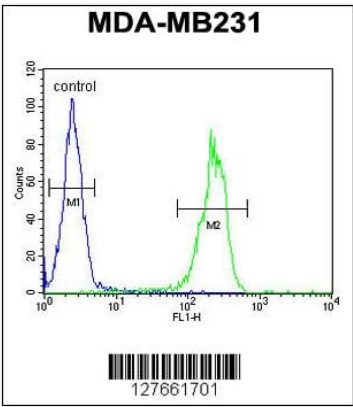
MYSM1; Polyclonal Antibody; MYSM1 Antibody (N-term); Histone H2A deubiquitinase MYSM1; 2A-DUB; 3419-; Myb-like; SWIRM and MPN domain-containing protein 1; KIAA1915; anti-MYSM1 antibody

PRODUCT SPECIFICATIONS

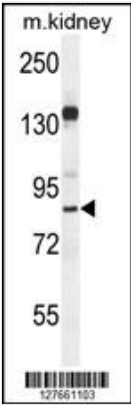
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MYSM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 111-139 amino acids from the N-terminal region of human MYSM1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	111-139
Sequence Length	828
Applicable Applications for anti-MYSM1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Clone Names	RB27661
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. Required for correct regulation of hematopoiesis and lymphocyte differentiation (PubMed:28115216, PubMed:26220525).
Cellular Location	Nucleus {ECO:0000255 PROSITE- ProRule:PRU00624, ECO:0000269 PubMed:17707232}
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



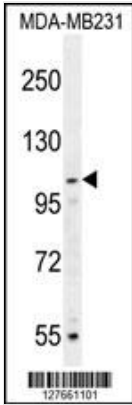
WB (Western Blot)
All lanes : Anti-MYSM1 Antibody (N-term) at 1:1000 dilution Lane 1: HeLa whole cell lysate
Lane 2: Jurkat whole cell lysate Lane 3: MDA-MB-231 whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 95 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



FCM/FACS (Flow Cytometry)
MYSM1 Antibody (N-term) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
MYSM1 Antibody (N-term) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the MYSM1 antibody detected the MYSM1 protein (arrow).



WB (Western Blot)
MYSM1 Antibody (N-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the MYSM1 antibody detected the MYSM1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MYSM1 antibody	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.
References	Dephoure, N., et al. Proc. Natl. Acad. Sci. U.S.A. 105(31):10762-10767(2008) Zhu, P., et al. Mol. Cell 27(4):609-621(2007) Matsuoka, S., et al. Science 316(5828):1160-1166(2007) Yoneyama, M., et al. J. Mol. Biol. 369(1):222-238(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	148227842
NCBI GeneID	114803
NCBI Accession #	NP_001078956.1
NCBI GenBank Nucleotide #	NM_001085487.2
UniProt Accession #	Q5VVJ2; Q68DD3; Q6AI53; Q7Z3G8; Q96PX3; A8KA54; B3KX65

Molecular Weight	95032
NCBI Official Full Name	histone H2A deubiquitinase MYSM1
NCBI Official Synonym Full Names	Myb-like, SWIRM and MPN domains 1
NCBI Official Symbol	MYSM1
NCBI Official Synonym Symbols	2ADUB; 2A-DUB
NCBI Protein Information	histone H2A deubiquitinase MYSM1
UniProt Protein Name	Histone H2A deubiquitinase MYSM1
UniProt Gene Name	MYSM1
UniProt Synonym Gene Names	KIAA1915; 2A-DUB
UniProt Entry Name	MYSM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mysm1-antibody-flow-cytometry-western-blot-elisa/286898>