

Product name:	MYSM1 Rabbit Polyclonal Antibody
Cat number:	ABN14357
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human MYSM1. AA range:520-569
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight:	95kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

catalytic activity:Ubiquitin C-terminal thioester + H(2)O = 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 + H(2)O = 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.,