

Datasheet for ABIN953592
anti-MYSM1 antibody (N-Term)



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3 Images

1 Publication

Overview

Quantity:	0.4 mL
Target:	MYSM1
Binding Specificity:	AA 118-147, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYSM1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the N-terminal region (between 118-147aa) of human MYSM1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes MYSM1 at N-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse
Purification:	Purified through a Protein A column followed by peptide affinity purification

Target Details

Target:	MYSM1
Alternative Name:	MYSM1 (MYSM1 Products)

Target Details

Background: 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. Synonyms: Histone H2A deubiquitinase MYSM1, KIAA1915, Myb-like SWIRM and MPN domain-containing protein 1

Gene ID: 114803

NCBI Accession: [NP_001078956](#)

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

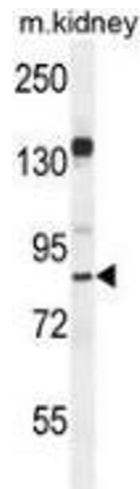
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

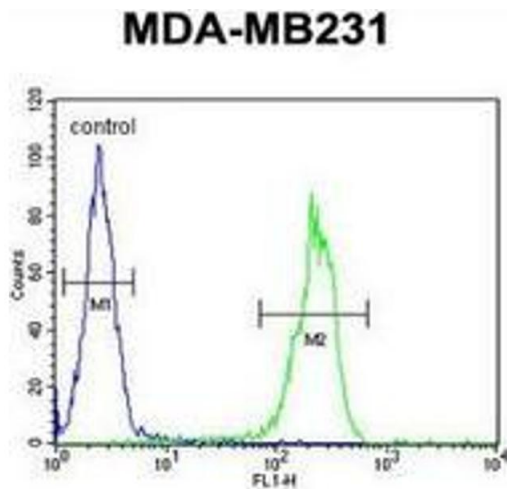
Publications

Product cited in: Dephoure, Zhou, Villén, Beausoleil, Bakalarski, Elledge, Gygi: "A quantitative atlas of mitotic phosphorylation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 105, Issue 31, pp. 10762-7, (2008) ([PubMed](#)).



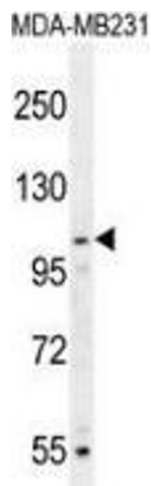
Western Blotting

Image 1. Western blot analysis in mouse kidney tissue lysates (35ug/lane) using MYSM1 Antibody (N-term). This demonstrates this antibody detected the MYSM1 protein (arrow).



Flow Cytometry

Image 2. Flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram) using MYSM1 Antibody (N-term), followed by FITC-conjugated goat-anti-rabbit secondary antibodies.



Western Blotting

Image 3. Western blot analysis in MDA-MB231 cell line lysates (35ug/lane) using MYSM1 Antibody (N-term). This demonstrates this antibody detected the MYSM1 protein (arrow).