

MYSM1 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15443**Specification**

MYSM1 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q5VVJ2
Other Accession	NM_001085487 , NP_001078956
Reactivity	Human, Rabbit, Dog
Predicted	Human, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	91kDa KDa

MYSM1 Antibody - C-terminal region - Additional Information**Gene ID** 114803**Alias Symbol** 2A-DUB, 2ADUB, DKFZp779J1554, DKFZp779J1721, KIAA1915, RP4-592A1.1**Other Names**

Histone H2A deubiquitinase MYSM1, 2A-DUB, 3.4.19.-, Myb-like, SWIRM and MPN domain-containing protein 1, MYSM1, KIAA1915

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-MYSM1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

MYSM1 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

MYSM1 Antibody - C-terminal region - Protein Information**Name** MYSM1**Synonyms** KIAA1915**Function**

Metalloprotease with deubiquitinase activity that plays important regulator roles in hematopoietic stem cell function, blood cell production and immune response (PubMed:24062447, PubMed:26220525, PubMed:28115216). Participates

in the normal programming of B-cell responses to antigen after the maturation process (By similarity). Within the cytoplasm, plays critical roles in the repression of innate immunity and autoimmunity (PubMed:33086059). Removes 'Lys-63'-linked polyubiquitins from TRAF3 and TRAF6 complexes (By similarity). Attenuates NOD2-mediated inflammation and tissue injury by promoting 'Lys-63'-linked deubiquitination of RIPK2 component (By similarity). Suppresses the CGAS-STING1 signaling pathway by cleaving STING1 'Lys- 63'-linked ubiquitin chains (PubMed:33086059). In the nucleus, acts as a hematopoietic transcription regulator derepressing a range of genes essential for normal stem cell differentiation including EBF1 and PAX5 in B-cells, ID2 in NK-cell progenitor or FLT3 in dendritic cell precursors (PubMed:24062447). Deubiquitinates monoubiquitinated histone H2A, a specific tag for epigenetic transcriptional repression, leading to dissociation of histone H1 from the nucleosome (PubMed:17707232).

Cellular Location

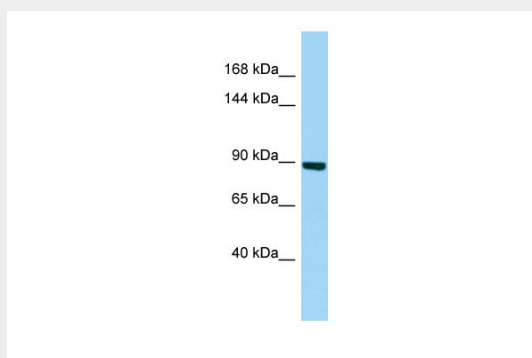
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00624, ECO:0000269|PubMed:17707232}.
Cytoplasm {ECO:0000250|UniProtKB:Q69Z66} Note=Localizes to the cytoplasm in response to bacterial infection {ECO:0000250|UniProtKB:Q69Z66}

MYSM1 Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MYSM1 Antibody - C-terminal region - Images



Host: Rabbit
Target Name: MYSM1
Sample Tissue: Fetal Liver lysates
Antibody Dilution: 1.0µg/ml

MYSM1 Antibody - C-terminal region - References

Nagase T.,et al.DNA Res. 8:179-187(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Gregory S.G.,et al.Nature 441:315-321(2006).
Zhu P.,et al.Mol. Cell 27:609-621(2007).