

ZMYM1 Antibody
Catalog # ASC11267**Specification**

ZMYM1 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q5SVZ6
Other Accession	NP_079048 , 113205089
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	ZMYM1 antibody can be used for detection of ZMYM1 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.

ZMYM1 Antibody - Additional InformationGene ID **79830****Target/Specificity**

ZMYM1; At least two isoforms of ZMYM1 are known to exist; this antibody will detect only the shorter isoform. ZMYM1 antibody is predicted to not cross-react with other ZMYM protein family members.

Reconstitution & Storage

ZMYM1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

ZMYM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ZMYM1 Antibody - Protein Information**Name** ZMYM1**Cellular Location**

Nucleus.

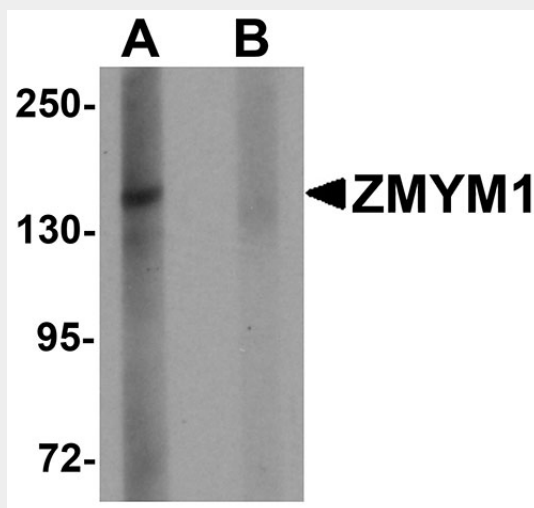
ZMYM1 Antibody - Protocols

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

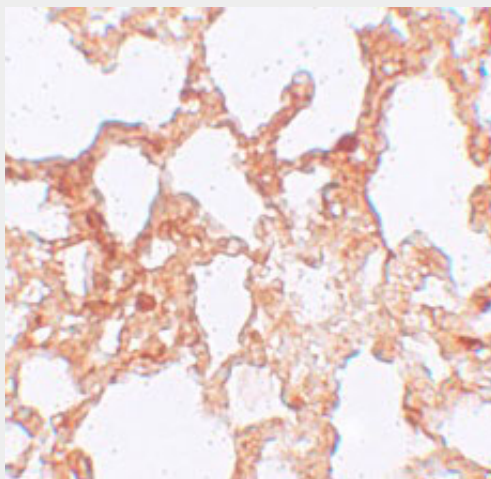
- [Western Blot](#)

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

ZMYM1 Antibody - Images



Western blot analysis of ZMYM1 in rat lung tissue lysate with ZMYM1 antibody at 1 μ g/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of ZMYM1 in rat lung tissue with ZMYM1 antibody at 5 μ g/mL.

ZMYM1 Antibody - Background

ZMYM1 Antibody: Zinc-finger proteins contain DNA-binding domains characterized by the unique role of zinc and have a wide variety of functions such as transcriptional activation or repression. The protein folding and the DNA binding ability are governed by the coordination of a zinc ion. As a member of the MYM (myeloproliferative and mental retardation) gene family, ZMYM1 is widely expressed in different tissues in eukaryotes under several forms derived by alternative splicing. While its function remains unknown, the related protein ZMYM2 has been shown to associate with and stabilize the LSD1-CoREST-HDAC1 (LCH) complex of chromatin through its MYM-type zinc fingers, thereby enhancing the transcriptional repression of several genes, suggesting that ZMYM1

may play a similar role.

ZMYM1 Antibody - References

Rosenfeld R and Margalit H. Zinc fingers: conserved properties that can distinguish between spurious and actual DNA-binding motifs. J. Biomol. Struct. Dyn.1993; 11:557-70.

Gregory SG, Barlow KF, McLay KE, et al. The DNA sequence and biological annotation of human chromosome 1. Nature2006; 441:315-21.

Sohal J, Reiter A, Goldman JM, et al. Cloning of ZNF237, a novel member of the MYM gene family that maps to human chromosome 13q11→q12. Cytogenet. Cell Genet.2000; 89:24-8.

Gocke CB and Yu H. ZNF198 stabilizes the LSD1-CoREST-HDAC1 complex on chromatin through its MYM-type zinc fingers. PLoS One2008; 3:e3255.