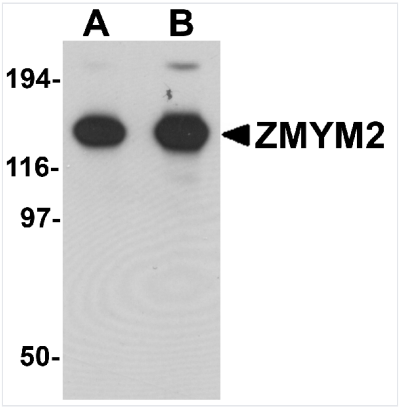
ZMYM2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZMYM2, Polyclonal Antibody
Full Product Name	ZMYM2 Antibody
Product Gene Name	anti-ZMYM2 antibody
Product Synonym Names	ZMYM2; FIM; MYM; RAMP; SCLL; ZNF198; FIM; Zinc finger MYM-type protein 2; Fused in myeloproliferative disorders protein; zinc finger, MYM-type 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid
Purity/Purification	ZMYM2 Antibody is affinity chromatography purified via peptide column.
Concentration	1 mg/mL (lot specific)
Specificity	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.
Preparation and Storage	ZMYM2 antibody can be stored at 4 degree C for three months and -20 degree 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.
Antibody/Peptide Pairs	ZMYM2 peptide (MBS152619) is used for blocking the activity of ZMYM2 antibody (MBS151573)
Molecular Weight	50,809 Da
OMIM	602221
3D Structure	ModBase 3D Structure for Q9UBW7
Conjugate	Unconjugated
Immunogen	ZMYM1 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human ZMYM1.
Buffer	ZMYM2 Antibody is supplied in PBS containing 0.02% sodium azide.
Applications Tested/Suitable for anti-ZMYM2 antibody	ELISA (EIA), Western Blot (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)
Application Notes for anti-ZMYM2 antibody	ZMYM2 antibody can be used for detection of ZMYM2 by Western blot at 0. 125 - 0.25 mug/mL. Antibody can also be used for immunocytochemistry starting at 10 mug/mL. For immunofluorescence start at 20 mug/mL.
Related Product Information for anti-ZMYM2 antibody	ZMYM2 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.

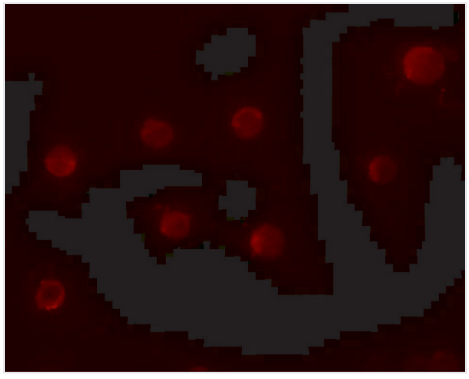
Other Notes	Small volumes of anti-ZMYM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ZMYM2 purchase	MBS151573 is an antibody targeting ZMYM2. Also known as ZMYM2 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ZMYM2 antibody
Western blot analysis of ZMYM2 in EL4 cell lysate with ZMYM2 antibody at (A) 0.125 and (B) 0.25 ?g/mL.



Immunocytochemistry (IHC) of anti-ZMYM2 antibody
Immunocytochemistry of ZMYM2 in HeLa cells with ZMYM2 antibody at 10 ?g/mL.



Immunofluorescence (IF) of anti-ZMYM2 antibody
Immunofluorescence of ZMYM2 in HeLa cells with ZMYM2 antibody at 20 ?g/mL.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZMYM2. It may not necessarily be applicable to this product.

NCBI GI #	300192961
NCBI GeneID	7750
NCBI Accession #	CAH71822
UniProt Primary Accession #	Q9UBW7
UniProt Secondary Accession #	O43212; O43434; O60898; Q5W0Q4; Q5W0T3; Q63HP0; Q8NE39; Q9H0V5; Q9H538; A6NDG0; A6NI02
UniProt Related Accession #	Q9UBW7
GenBank Nucleotide #	NM_001190965.2
NCBI Official Full Name	zinc finger MYM-type protein 2
NCBI Official Synonym Full Names	zinc finger, MYM-type 2
NCBI Official Symbol	ZMYM2
NCBI Official Synonym Symbols	FIM; MYM; RAMP; SCLL; ZNF198

UniProt Protein Name	Zinc finger MYM-type protein 2
UniProt Synonym Protein Names	Fused in myeloproliferative disorders protein; Rearranged in atypical myeloproliferative disorder protein; Zinc finger protein 198
Protein Family	Zinc finger MYM-type protein
UniProt Gene Name	ZMYM2
UniProt Synonym Gene Names	FIM; RAMP; ZNF198
UniProt Entry Name	ZMYM2_HUMAN
NCBI Protein Information	zinc finger MYM-type protein 2; zinc finger protein 198; fused in myeloproliferative disorders protein; rearranged in an atypical myeloproliferative disorder
NCBI Summary for ZMYM2	The protein encoded by this gene is a zinc finger protein that may act as a transcription factor. The encoded protein may be part of a BHC histone deacetylase complex. Translocation of this gene with the fibroblast growth factor receptor-1 gene (FGFR1) results in a fusion gene, which may be a cause of stem cell leukemia lymphoma syndrome (SCLL). Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2010]
UniProt Comments for ZMYM2	ZNF198: a probable transcriptional regulator of the krueppel C2H2-type zinc-finger protein family. The translocation between FGFR and ZNF198 (8;13)(p11;q12) is oncogenic, causing stem cell leukemia lymphoma syndrome (SCLL), a myeloproliferative disorder (MPD) that evolves to acute myeloid leukemia and/or lymphoma. The transforming activity of ZNF198-FGFR1 requires the proline-rich domains, but not the ZNF domains, of ZNF198. Protein type: Transcription factor Chromosomal Location of Human Ortholog: 13q11-q12 Cellular Component: PML body; cytosol Molecular Function: zinc ion binding; ubiquitin conjugating enzyme binding Biological Process: regulation of transcription, DNA-dependent; transcription, DNA-dependent
Research Articles on ZMYM2	**1.** B-lymphoblastic leukemia/lymphoma associated with t(8;13)(p11;q12)/ ZMYM2 (ZNF198)-FGFR1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/zmym2/151573