

## Anti-Zinc finger MYM-type protein 2 ZMYM2 Antibody

Catalog Number: A04648

### About ZMYM2

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 (1). The protein folding and the DNA binding ability are governed by the coordination of a zinc ion (1-3). As a member of the MYM (myeloproliferative and mental retardation) gene family, 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 (4). 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) (5).

### Overview

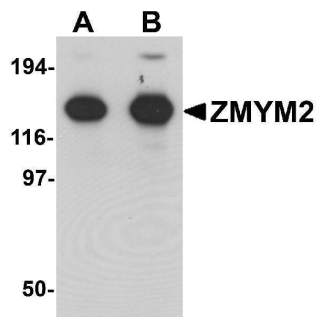
Product Name	Anti-Zinc finger MYM-type protein 2 ZMYM2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Zinc finger MYM-type protein 2 ZMYM2 Antibody (Catalog # A04648). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	ZMYM2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	ZMYM2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9UBW7

### Technical Details

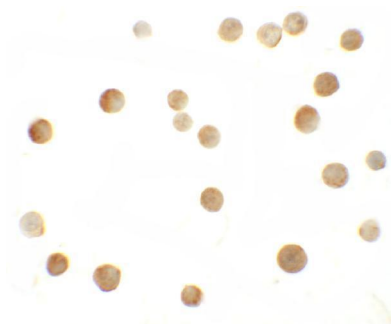
Immunogen	ZMYM2 antibody was raised against a 17 amino acid peptide near the amino terminus of human ZMYM2. The immunogen is located within amino acids 120 - 170 of ZMYM2.
Predicted Reactive Species	Rat
Cross Reactivity	At least two isoforms of ZMYM2 are known to exist; this antibody will detect only the longest isoform. ZMYM2 antibody is predicted to not cross-react with other ZMYM protein family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	ZMYM2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ZMYM2 antibody can be used for detection of ZMYM2 by Western blot at 0.125 - 0.25 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

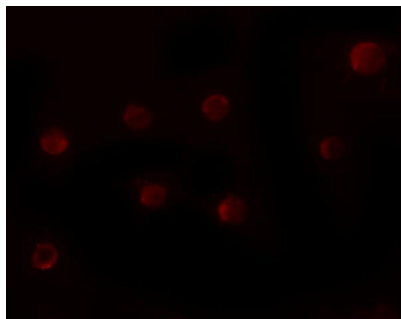
## Anti-Zinc finger MYM-type protein 2 ZMYM2 Antibody (A04648) Images



Western blot analysis of ZMYM2 in EL4 cell lysate with ZMYM2 antibody at (A) 0.125 and (B) 0.25 ug/mL.



Immunocytochemistry of ZMYM2 in HeLa cells with ZMYM2 antibody at 10 ug/mL.



Immunofluorescence of ZMYM2 in HeLa cells with ZMYM2 antibody at 20 ug/mL.

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