

ZMYM4 Antibody

Catalog # ASC11270

Product Information

Application	E, IHC-P
Primary Accession	Q5VZL5
Other Accession	AAI27114 , 117558167
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	172788
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ZMYM4 antibody can be used for detection of ZMYM4 by immunohistochemistry at 5 µg/mL.

Additional Information

Gene ID	9202
Other Names	Zinc finger MYM-type protein 4, Zinc finger protein 262, ZMYM4, KIAA0425, ZNF262
Target/Specificity	ZMYM4; At least three isoforms of ZMYM4 are known to exist; this antibody will detect all of them. ZMYM4 antibody is predicted not to cross-react with other ZMYM family members.
Reconstitution & Storage	ZMYM4 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	ZMYM4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZMYM4
Synonyms	KIAA0425, ZNF262
Function	Required for regulation of cell morphology and cytoskeletal organization.
Tissue Location	Expressed at higher level in heart, skeletal muscle, kidney and liver.

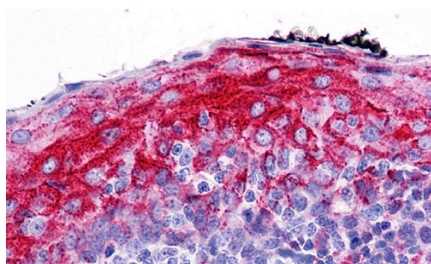
Background

ZMYM4 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. It has been found to be overexpressed in human lung adenocarcinomas and squamous cell carcinomas, and the overexpression of a fragment of the 3'UTR of the ZMYM4 mRNA termed Cell Death Inhibiting RNA (CDIR) protects HeLa cells from IFN- γ -induced apoptosis, suggesting that ZMYM4 may play a role in tumorigenesis.

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. *Nature* 2006; 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.
- McDoniels-Silvers AL, Nimri CF, Stoner GD, et al. Differential gene expression in human lung adenocarcinomas and squamous cell carcinomas. *Clin. Cancer Res.* 2002; 8:1127-38.

Images



Immunohistochemistry of ZMYM4 in human tonsil with ZMYM4 antibody at 5 μ g/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.