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ZFPM2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16039b

Product Information

Application	WB, E
Primary Accession	Q8WW38
Other Accession	NP_036214.2
Reactivity	Human
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35253
Calculated MW	128159
Antigen Region	883-911

Additional Information

Gene ID	23414
Other Names	Zinc finger protein ZFPM2, Friend of GATA protein 2, FOG-2, Friend of GATA 2, hFOG-2, Zinc finger protein 89B, Zinc finger protein multitype 2, ZFPM2, FOG2, ZNF89B
Target/Specificity	This ZFPM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 883-911 amino acids from the C-terminal region of human ZFPM2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ZFPM2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZFPM2
Synonyms	FOG2, ZNF89B

Function	Transcription regulator that plays a central role in heart morphogenesis and development of coronary vessels from epicardium, by regulating genes that are essential during cardiogenesis. Essential cofactor that acts via the formation of a heterodimer with transcription factors of the GATA family GATA4, GATA5 and GATA6. Such heterodimer can both activate or repress transcriptional activity, depending on the cell and promoter context. Also required in gonadal differentiation, possibly be regulating expression of SRY. Probably acts a corepressor of NR2F2 (By similarity).
Cellular Location	Nucleus.
Tissue Location	Widely expressed at low level.

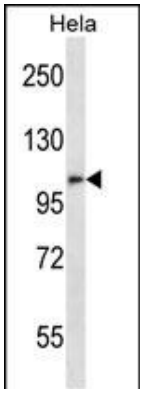
Background

The zinc finger protein encoded by this gene is a widely expressed member of the FOG family of transcription factors. The family members modulate the activity of GATA family proteins, which are important regulators of hematopoiesis and cardiogenesis in mammals. It has been demonstrated that the protein can both activate and down-regulate expression of GATA-target genes, suggesting different modulation in different promoter contexts. A related mRNA suggests an alternatively spliced product but this information is not yet fully supported by the sequence. [provided by RefSeq].

References

De Luca, A., et al. Clin. Genet. (2010) In press :
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Hyun, S., et al. Cell 139(6):1096-1108(2009)
Rouf, R., et al. Circ. Res. 103(5):493-501(2008)
Bleyl, S.B., et al. Eur. J. Hum. Genet. 15(9):950-958(2007)

Images



ZFPM2 Antibody (C-term) (Cat. #AP16039b) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the ZFPM2 antibody detected the ZFPM2 protein (arrow).

Citations

- Long noncoding RNA CCDC26 as a modulator of transcriptional switching between fetal and embryonic globins

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