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anti-ZFPM1 antibody (Middle Region)





Publication



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Quantity:	100 μL
Target:	ZFPM1
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZFPM1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ZFPM1	
Sequence:	PPPPPGHAP APESPRPGSG SGSGPGLAPA RSPGPAADGP IDLSKKPRRP	
Predicted Reactivity:	Cow: 91%, Human: 100%, Rat: 83%	
Characteristics:	This is a rabbit polyclonal antibody against ZFPM1. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	

Target Details

Target:	ZFPM1
Alternative Name:	ZFPM1 (ZFPM1 Products)

Target Details

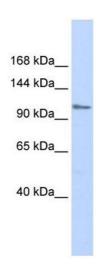
Target Details	
Background:	ZFPM1 is a transcription regulator that plays an essential role in erythroid and megakaryocytic
	cell differentiation. ZFPM1 is an essential cofactor that acts via the formation of a heterodimer
	with transcription factors of the GATA family GATA1, GATA2 and GATA3. Such heterodimer car
	both activate or repress transcriptional activity, depending on the cell and promoter context.
	The heterodimer formed with GATA proteins is essential to activate expression of genes such
	as NFE2, ITGA2B, alpha- and beta-globin, while it represses expression of KLF1. ZFPM1 may be
	involved in regulation of some genes in gonads. ZFPM1 may also be involved in cardiac
	development, in a non-redundant way with ZFPM2/FOG2.
	Alias Symbols: FOG, FOG1, ZNF408, ZNF89A
	Protein Interaction Partner: GSK3B, CTBP2, TRIM21, MTA1, RBBP4, Rb1, GATA1, GIPC1, TOP3B
	GATA2,
	Protein Size: 1006
Molecular Weight:	105 kDa
Gene ID:	161882
NCBI Accession:	NM_153813, NP_722520
UniProt:	Q8IX07
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1006 AA

Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Nishimura, Mitne-Neto, Silva, Oliveira, Vainzof, Zatz: "A novel locus for late onset amyotrophic lateral sclerosis/motor neurone disease variant at 20q13." in: Journal of medical genetics , Vol. 41, Issue 4, pp. 315-20, (2004) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-ZFPM1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Muscle