

# ZFPM1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21263b

#### **Product Information**

**Application** WB, E **Primary Accession Q8IX07** Reactivity Human Host Rabbit Clonality polyclonal Isotype Rabbit IgG **Clone Names** RB51246 **Calculated MW** 104888

### **Additional Information**

**Gene ID** 161882

Other Names Zinc finger protein ZFPM1, Friend of GATA protein 1, FOG-1, Friend of GATA 1,

Zinc finger protein 89A, Zinc finger protein multitype 1, ZFPM1, FOG1, ZFN89A

Target/Specificity This ZFPM1 antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 954-987 amino acids from the

C-terminal region of human ZFPM1.

**Dilution** WB~~1:2000 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** ZFPM1 Antibody (C-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

#### **Protein Information**

Name ZFPM1

Synonyms FOG1, ZFN89A

**Function** Transcription regulator that plays an essential role in erythroid and

megakaryocytic cell differentiation. Essential cofactor that acts via the formation of a heterodimer with transcription factors of the GATA family

GATA1, GATA2 and GATA3. Such heterodimer can 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. May be involved in regulation of some genes in gonads. May also be involved in cardiac development, in a non-redundant way with ZFPM2/FOG2 (By similarity).

Cellular Location Nucleus.

Tissue Location Mainly expressed in hematopoietic tissues. Also expressed in adult

cerebellum, stomach, lymph node, liver and pancreas Expressed in fetal

heart, liver and spleen

## **Background**

Transcription regulator that plays an essential role in erythroid and megakaryocytic cell differentiation. Essential cofactor that acts via the formation of a heterodimer with transcription factors of the GATA family GATA1, GATA2 and GATA3. Such heterodimer can 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. May be involved in regulation of some genes in gonads. May also be involved in cardiac development, in a non-redundant way with ZFPM2/FOG2 (By similarity).

#### References

Freson K.,et al.Hum. Genet. 112:42-49(2003).

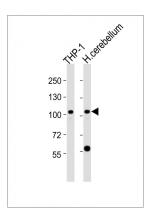
Martin J.,et al.Nature 432:988-994(2004).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Giorgianni F.,et al.Electrophoresis 28:2027-2034(2007).

Matsuoka S.,et al.Science 316:1160-1166(2007).

## **Images**



All lanes: Anti-ZFPM1 Antibody (C-term) at 1:2000 dilution Lane 1: THP-1 whole cell lysates Lane 2: human cerebellum lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size: 105 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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