



ZFPM1 Antibody

CATALOG NUMBER: 25-050



Antibody used in WB on Human Muscle at
0.2-1 ug/ml.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ZFPM1 antibody can be used for detection of ZFPM1 by ELISA at 1:62500. ZFPM1 antibody can be used for detection of ZFPM1 by western blot at 1 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. XBL-10413 - Fetal Skeletal Muscle Tissue Lysate
PREDICTED MOLECULAR WEIGHT:	105 kDa
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human ZFPM1.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Antibody is purified by peptide affinity chromatography method.
PHYSICAL STATE:	Lyophilized
BUFFER:	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 50 uL of distilled water. Final antibody concentration is 1 mg/mL.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	For short periods of storage (days) store at 4°C. For longer periods of storage, store ZFPM1 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	ZFPM1, FOG, FOG1, ZNF408, ZNF89A, ZC2HC11A
ACCESSION NO.:	NP_722520
PROTEIN GI NO.:	110556644

OFFICIAL SYMBOL: ZFPM1

GENE ID: 161882

Background

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 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. 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.

REFERENCES: 1) Sugiyama, D., (2008) Blood 111 (4), 1924-1932.

FOR RESEARCH USE ONLY

December 12, 2016