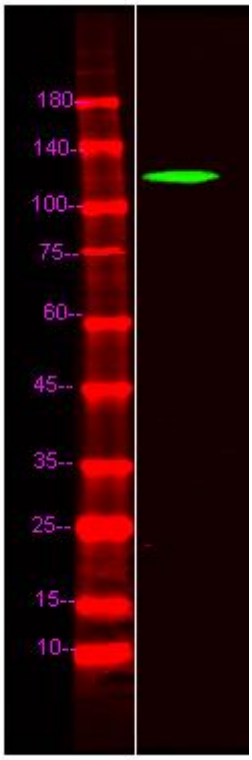
FOG1 Monoclonal Antibody

Catalog No	BYmab-06524
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	ZFPM1 FOG1 ZFN89A
Protein Name	Zinc finger protein ZFPM1 (Friend of GATA protein 1) (FOG-1) (Friend of GATA 1) (Zinc finger protein 89A) (Zinc finger protein multitype 1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 620-700
Specificity	FOG1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	110kD
Cell Pathway	Nucleus .
Tissue Specificity	Mainly expressed in hematopoietic tissues. Also expressed in adult cerebellum, stomach, lymph node, liver and pancreas. Expressed in fetal heart, liver and spleen.
Function	domain:The CCHC-type zinc fingers 1, 5, 6 and 9 directly bind to GATA-type zinc fingers. The Tyr residue adjacent to the last Cys of the CCHC-type zinc finger is essential for the interaction with GATA-type zinc fingers.,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.,P
Background	domain:The CCHC-type zinc fingers 1, 5, 6 and 9 directly bind to GATA-type zinc fingers. The Tyr residue adjacent to the last Cys of the CCHC-type zinc finger is essential for the interaction with GATA-type zinc fingers.,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.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the FOG (Friend of GATA) family.,similarity:Contains 4 C2H2-type zinc fingers.,similarity:Contains 5 C2HC-type zinc fingers.,subunit:Interacts with corepressor CTBP2; this interaction is however not essential for corepressor activity (By similarity). Interacts with the N-terminal zinc-finger of GATA1, GATA2 and probably GATA3.,tissue specificity:Mainly expressed in hematopoietic tissues. Also expressed in adult cerebellum, stomach, lymph node, liver and pancreas. Expressed in fetal heart, liver and spleen.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using FOG1 Monoclonal Antibody