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anti-GFI1B antibody (Internal Region)



Image



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Overview	
Quantity:	100 μL
Target:	GFI1B
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GFI1B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)
Product Details	
Immunogen:	A synthesized peptide derived from human GFI1B, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	GFI1B Antibody detects endogenous levels of total GFI1B.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).
Target Details	
Target:	GFI1B

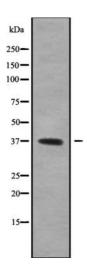
Target Details

Alternative Name:	GFI1B (GFI1B Products)
Background:	Description: Essential proto-oncogenic transcriptional regulator necessary for development and
	differentiation of erythroid and megakaryocytic lineages. Component of a RCOR-GFI-KDM1A-
	HDAC complex that suppresses, via histone deacetylase (HDAC) recruitment, a number of
	genes implicated in multilineage blood cell development and controls hematopoietic
	differentiation. Transcriptional repressor or activator depending on both promoter and cell type
	context, represses promoter activity of SOCS1 and SOCS3 and thus, may regulate cytokine
	signaling pathways. Cooperates with GATA1 to repress target gene transcription, such as the
	apoptosis regulator BCL2L1, GFI1B silencing in leukemic cell lines markedly increase apoptosis
	rate. Inhibits down-regulation of MYC and MYB as well as the cyclin-dependent kinase inhibitor
	CDKN1A/P21WAF1 in IL6-treated myelomonocytic cells. Represses expression of GATA3 in T-
	cell lymphomas and inhibits GATA1-mediated transcription, as GATA1 also mediates erythroid
	GFI1B transcription, both GATA1 and GFI1B participate in a feedback regulatory pathway
	controlling the expression of GFI1B gene in erythroid cells. Suppresses GATA1-mediated
	stimulation of GFI1B promoter through protein interaction. Binds to gamma-satellite DNA and
	to its own promoter, auto-repressing its own expression. Alters histone methylation by
	recruiting histone methyltransferase to target genes promoters. Plays a role in heterochromatir
	formation.
	Gene: GFI1B
Molecular Weight:	37 kDa
Gene ID:	8328
UniProt:	Q5VTD9
Pathways:	Cellular Response to Molecule of Bacterial Origin
Application Details	
Application Notes:	WB 1:1000-3000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %

Handling

	glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blot analysis GFI1B using 293 whole cell lysates