

FOG1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09217
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human protein . at AA range: 620-700
Mol wt	N/A
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Zinc finger protein ZFPM1
Synonyms	Zinc finger protein ZFPM1 ;Friend of GATA protein 1;FOG-1;Friend of GATA 1;Zinc finger protein 89A;Zinc finger protein multitype 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. 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. Belongs to the FOG (Friend of GATA) family. Contains 4 C2H2-type zinc fingers. 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.

Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year