

产品名称: FOG-2 Rabbit Polyclonal Antibody

产品货号: APRab11060

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,IHC,ICC/IF,ELISA
种属反应(Reactivity)	Human,Mouse
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液(Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
分子量(Molecular Weight)	128kDa

抗原信息(Antigen Information)

基因名(Gene Name)	ZFPM2
别名(Alternative Names)	ZFPM2; FOG2; ZNF89B; Zinc finger protein ZFPM2; Friend of GATA protein 2; FOG-2; Friend of GATA 2; hFOG-2; Zinc finger protein 89B; Zinc finger protein multitype 2
基因 ID(Gene ID)	23414.0
SwissProt ID	Q8WW38
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from the Internal region of human ZFPM2. AA range:921-970

研究背景 (Background)

zinc finger protein, FOG family member 2(ZFPM2) Homo sapiens The zinc finger protein encoded by this gene is a widely

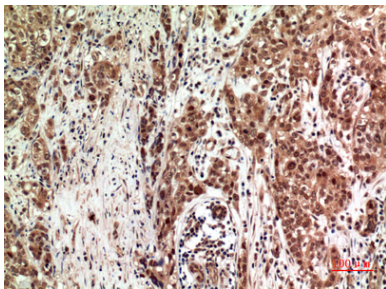
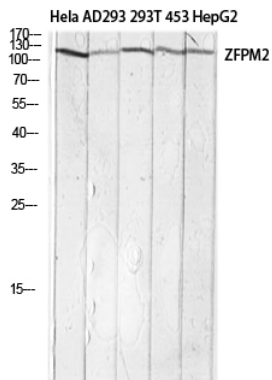
expressed member of the FOG family of transcription factors. The family members modulate the activity of GATA family proteins, which are important regulators of hematopoiesis and cardiogenesis in mammals. It has been demonstrated that the protein can both activate and down-regulate expression of GATA-target genes, suggesting different modulation in different promoter contexts. A related mRNA suggests an alternatively spliced product but this information is not yet fully supported by the sequence. [provided by RefSeq, Jul 2008],disease:Defects in ZFPM2 are the cause of diaphragmatic hernia 3 (DIH3) [MIM:610187]; a form of congenital diaphragmatic hernia (CDH). CDH refers to a group of congenital defects in the structural integrity of the diaphragm associated with often lethal pulmonary hypoplasia and pulmonary hypertension.,disease:Defects in ZFPM2 may be a cause of tetralogy of Fallot (TOF) [MIM:187500]. TOF is a congenital heart anomaly which consists of pulmonary stenosis, ventricular septal defect, dextroposition of the aorta (aorta is on the right side instead of the left) and hypertrophy of the right ventricle. This condition results in a blue baby at birth due to inadequate oxygenation. Surgical correction is emergent.,domain:The CCHC-type zinc fingers 1, 5, 6 and 8 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 a central role in heart morphogenesis and development of coronary vessels from epicardium, by regulating genes that are essential during cardiogenesis. Essential cofactor that acts via the formation of a heterodimer with transcription factors of the GATA family GATA4, GATA5 and GATA6. Such heterodimer can both activate or repress transcriptional activity, depending on the cell and promoter context. Also required in gonadal differentiation, possibly be regulating expression of SRY.,similarity:Belongs to the FOG (Friend of GATA) family.,similarity:Contains 3 C2H2-type zinc fingers.,similarity:Contains 5 C2HC-type zinc fingers.,subunit:Interacts with the N-terminal zinc-finger of GATA4, GATA5 and probably GATA6. Interacts with retinoid nuclear receptor RXRA when ligand bound (By similarity). Interacts with corepressor CTBP2; this interaction is however not essential for corepressor activity. Able to bind GATA1 in vitro.,tissue specificity:Widely expressed at low level.,

研究领域 (Research Area)

注意事项 (Note)

For research use only.

图片 (Image Data)



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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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