

产品名称: CARP Rabbit Polyclonal Antibody

产品货号: APRab07933

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,Rat
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 1:10000-1:20000
分子量(Molecular Weight)	36kDa

抗原信息(Antigen Information)

基因名(Gene Name)	ANKRD1
别名(Alternative Names)	ANKRD1; C193; CARP; HA1A2; Ankyrin repeat domain-containing protein 1; Cardiac ankyrin repeat protein; Cytokine-inducible gene C-193 protein; Cytokine-inducible nuclear protein
基因 ID(Gene ID)	27063.0
SwissProt ID	Q15327
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human ANKRD1. AA range:231-280

研究背景 (Background)

ankyrin repeat domain 1(ANKRD1) Homo sapiens The protein encoded by this gene is localized to the nucleus of endothelial

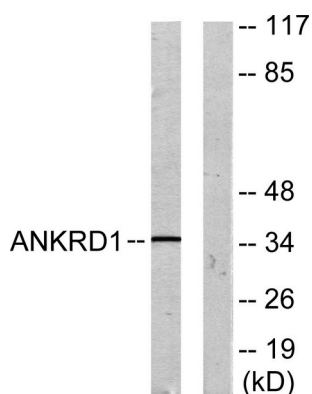
cells and is induced by IL-1 and TNF-alpha stimulation. Studies in rat cardiomyocytes suggest that this gene functions as a transcription factor. Interactions between this protein and the sarcomeric proteins myopalladin and titin suggest that it may also be involved in the myofibrillar stretch-sensor system. [provided by RefSeq, Jul 2008],disease:Defects in ANKRD1 may be a cause of total anomalous pulmonary venous return (TAPVR) [MIM:106700]. TAPVR is a rare congenital heart disease (CHD) in which the pulmonary veins fail to connect to the left atrium during cardiac development, draining instead into either the right atrium or one of its venous tributaries. This disease accounts for 1.5% of all CHDs and has a prevalence of approximately 1 out of 15'000 live births.,function:May play an important role in endothelial cell activation. May act as a nuclear transcription factor that negatively regulates the expression of cardiac genes. Induction seems to be correlated with apoptotic cell death in hepatoma cells.,induction:By TNF, IL1A and parthenolide.,miscellaneous:A chromosomal aberration in the region of ANKRD1 may be a cause of total anomalous pulmonary venous return (TAPVR) [MIM:106700]. Translocation t(10;21)(q23.31;q11.2). The translocation apparently alters the expression pattern of nearby genes on chromosome 10 by means of a positional effect, and among the genes whose expression pattern is changed due to this chromosomal rearrangement, the ANKRD1 stood out as a plausible candidate gene for TAPVR pathogenesis. This rearrangement apparently does not disrupts any known genes.,similarity:Contains 5 ANK repeats.,subunit:Interacts with YBX1 (By similarity). Interacts with TTN/titin.,tissue specificity:Mainly expressed in activated vascular endothelial cells. To a lower extent, also expressed in hepatoma cells,

研究领域 (Research Area)

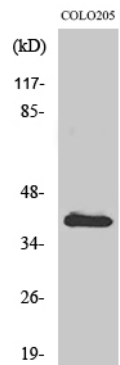
注意事项 (Note)

For research use only.

图片 (Image Data)



Western blot analysis of lysates from COLO205 cells, using ANKRD1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using CARP Polyclonal Antibody

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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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