

产品名称: CARP Rabbit Polyclonal Antibody
产品货号: AP Rab07933



产品概述 (Summary)

产品名称 (Production Name)	CARP Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (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.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

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

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
蛋白分子量 (Molecular Weight)	36kDa

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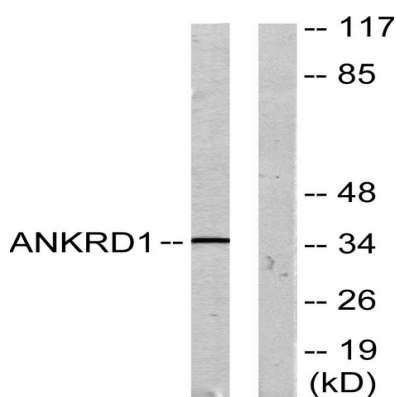


研究背景 (Background)

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.,

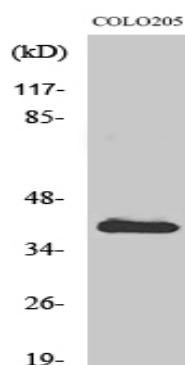
研究领域 (Research Area)

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.

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Western Blot analysis of various cells using CARP Polyclonal Antibody

注意事项 (Note)

For research use only .