

产品名称: Duffy Rabbit Polyclonal Antibody

产品货号: APRab10192

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	ICC/IF,ELISA
种属反应(Reactivity)	Human,Rat,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) ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000

分子量(Molecular Weight)

抗原信息(Antigen Information)

基因名(Gene Name)	DARC
别名(Alternative Names)	DARC; FY; GPD; Duffy antigen/chemokine receptor; Fy glycoprotein; GpFy; Glycoprotein D; Plasmodium vivax receptor; CD antigen CD234
基因 ID(Gene ID)	2532.0
SwissProt ID	Q16570
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human DARC. AA range:1-50

研究背景 (Background)

The protein encoded by this gene is a glycosylated membrane protein and a non-specific receptor for several chemokines. The

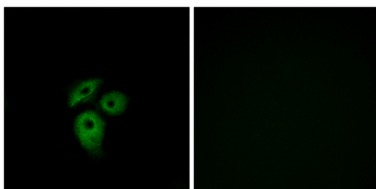
encoded protein is the receptor for the human malarial parasites *Plasmodium vivax* and *Plasmodium knowlesi*. Polymorphisms in this gene are the basis of the Duffy blood group system. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],disease:Individuals that do not produce the Duffy antigen (FY(A-B-)) are more resistant to *vivax* malaria. This allele is found predominantly in population of African origin.,function:Non-specific receptor for many chemokines such as IL-8, GRO, RANTES, MCP-1 and TARC. It is also the receptor for the human malaria parasites *Plasmodium vivax* and *Plasmodium knowlesi*.,online information:Blood group antigen gene mutation database,online information:Duffy antigen entry,polymorphism:DARC is responsible for the Duffy blood group system. The molecular basis of the Fy(A)=Fy1/Fy(B)=Fy2 blood group antigens is a single variation in position 42; Gly-42 corresponds to Fy(A) and Asp-42 to Fy(B).,polymorphism:Genetic variation in DARC is associated with white blood cell count quantitative trait locus type 1 (WBCQ1) [MIM:611862]. Peripheral white blood cell count (WBC) is a common clinical measurement, used to determine evidence of acute inflammation or infection. Peripheral WBC is the sum of several cell types including neutrophils and lymphocytes, which are the most common types of WBC, as well as less common cell types such as eosinophils, basophils, and monocytes. Elevated WBC has been associated with risk of coronary heart disease, cancer, and all-cause mortality. White blood cell levels have widespread clinical applications including assessment of patients undergoing chemotherapy and evaluation of infection.,similarity:Belongs to the G-protein coupled receptor Duffy family.,tissue specificity:Found in adult kidney, adult spleen, bone marrow and fetal liver. In particular, it is expressed along postcapillary venules throughout the body, except in the adult liver. Erythroid cells and postcapillary venule endothelium are the principle tissues expressing duffy. Fy(-A-B) individuals do not express duffy in the bone marrow, however they do, in postcapillary venule endothelium.,

研究领域 (Research Area)

注意事项 (Note)

For research use only.

图片 (Image Data)



Immunofluorescence analysis of A549 cells, using CD234 Antibody. The picture on the right is blocked with the synthesized peptide.

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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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