

产品名称: PON1 Rabbit Polyclonal Antibody

产品货号: APRab16371

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	IHC, 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) IHC 1:50-1:200, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000

分子量(Molecular Weight)

抗原信息(Antigen Information)

基因名(Gene Name)	PON1 PON
别名(Alternative Names)	Serum paraoxonase/arylesterase 1 (PON 1; EC 3.1.1.2; EC 3.1.1.81; EC 3.1.8.1; Aromatic esterase 1; A-esterase 1; K-45; Serum aryldialkylphosphatase 1)
基因 ID(Gene ID)	5444.0
SwissProt ID	P27169
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from the Internal region of human PON1. AA range: 51-100

研究背景 (Background)

The enzyme encoded by this gene is an arylesterase that mainly hydrolyzes paroxon to produce p-nitrophenol. Paroxon is an

organophosphorus anticholinesterase compound that is produced in vivo by oxidation of the insecticide parathion. Polymorphisms in this gene are a risk factor in coronary artery disease. The gene is found in a cluster of three related paraoxonase genes at 7q21.3. [provided by RefSeq, Oct 2008],catalytic activity:A phenyl acetate + H(2)O = a phenol + acetate.,catalytic activity:An aryl dialkyl phosphate + H(2)O = dialkyl phosphate + an aryl alcohol.,disease:Genetic variation in PON1 is associated with susceptibility to diabetic retinopathy [MIM:612633]; also called microvascular complications of diabetes type 5 (MVCD5). Diabetic retinopathy is a major cause of blindness in diabetic patients. Retinal disease results from adverse effects on the blood vessels which supply the retina.,function:Hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. Capable of hydrolyzing a broad spectrum of organophosphate substrates and a number of aromatic carboxylic acid esters. May mediate an enzymatic protection of low density lipoproteins against oxidative modification and the consequent series of events leading to atheroma formation.,miscellaneous:The preferential association of PON1 with HDL is mediated in part by its signal peptide, by binding phospholipids directly, rather than binding apo AI. The retained signal peptide may allow transfer of the protein between phospholipid surfaces.,online information:The Singapore human mutation and polymorphism database,polymorphism:The allelic form of the enzyme with Gln-192 (allozyme A) hydrolyzes paraoxon with a low turnover number and the one with Arg-192 (allozyme B) with a high turnover number.,PTM:Glycosylated.,PTM:Present in two forms, form B contains a disulfide bond, form A does not.,PTM:The signal sequence is not cleaved.,similarity:Belongs to the paraoxonase family.,subunit:Heterooligomer with phosphate-binding protein (HPBP). Interacts with CLU.,tissue specificity:Plasma, associated with HDL (at protein level). Expressed in liver, but not in heart, brain, placenta, lung, skeletal muscle, kidney or pancreas.,

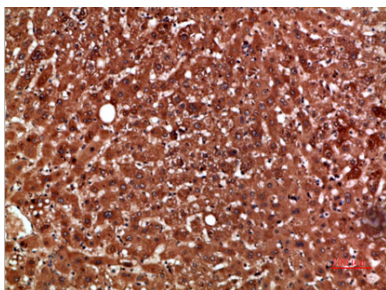
研究领域 (Research Area)

Neuroscience

注意事项 (Note)

For research use only.

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:200

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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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