

### Anti-PON1 antibody [EPR2893] ab126597

**重组** RabMAb

[1 Abreviews](#) [3 References](#) [3 图像](#)

#### 概述

产品名称	Anti-PON1抗体[EPR2893]
描述	兔单克隆抗体[EPR2893] to PON1
宿主	Rabbit
经测试应用	<b>适用于:</b> IP, WB
种属反应性	<b>与反应:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human PON1 aa 100-200. The exact sequence is proprietary.
阳性对照	IP: Human liver lysate. WB: Human mouse and rat plasma and liver lysate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR2893
同种型	IgG

## 应用

### The Abpromise guarantee

**Abpromise™**承诺保证使用ab126597于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP		1/20.
WB		1/10000 - 1/50000. Detects a band of approximately 40 kDa (predicted molecular weight: 40 kDa).

## 靶标

### 功能

Hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. Capable of hydrolyzing a broad spectrum of organophosphate substrates and lactones, and a number of aromatic carboxylic acid esters. Mediates an enzymatic protection of low density lipoproteins against oxidative modification and the consequent series of events leading to atheroma formation.

### 组织特异性

Plasma, associated with HDL (at protein level). Expressed in liver, but not in heart, brain, placenta, lung, skeletal muscle, kidney or pancreas.

### 疾病相关

Genetic variation in PON1 is associated with susceptibility to microvascular complications of diabetes type 2 (MVC5) [MIM:612633]. These are pathological conditions that develop in numerous tissues and organs as a consequence of diabetes mellitus. They include diabetic retinopathy, diabetic nephropathy leading to end-stage renal disease, and diabetic neuropathy. Diabetic retinopathy remains the major cause of new-onset blindness among diabetic adults. It is characterized by vascular permeability and increased tissue ischemia and angiogenesis. Note=Homozygosity for the Leu-54 allele is strongly associated with the development of retinal disease in diabetic patients.

### 序列相似性

Belongs to the paraoxonase family.

### 翻译后修饰

Glycosylated.

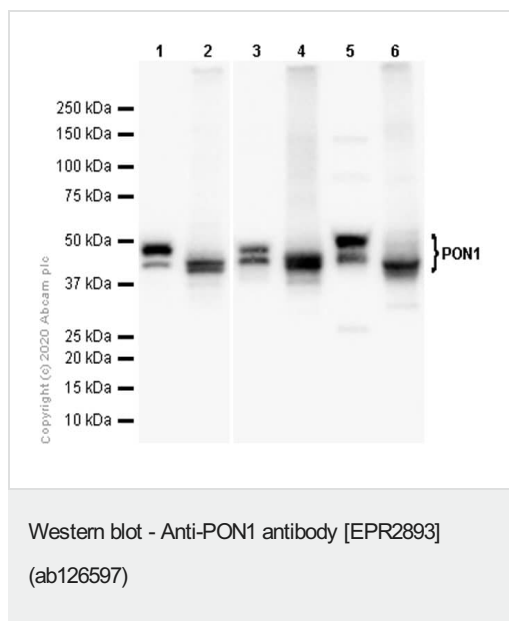
The signal sequence is not cleaved.

Present in two forms, form B contains a disulfide bond, form A does not.

### 细胞定位

Secreted > extracellular space.

## 图片



**All lanes** : Anti-PON1 antibody [EPR2893] (ab126597) at 1/1000 dilution

**Lane 1** : Human plasma lysate

**Lane 2** : Human liver lysate

**Lane 3** : Mouse plasma lysate

**Lane 4** : Mouse liver lysate

**Lane 5** : Rat plasma lysate

**Lane 6** : Rat liver lysate

Lysates/proteins at 20 µg per lane.

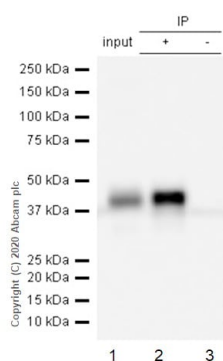
### Secondary

**All lanes** : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

**Predicted band size:** 40 kDa

**Observed band size:** 40-45 kDa

The expression profile and molecular weights observed are consistent with what have been described in the literatures (PMID: 17906223, 30262871).



Immunoprecipitation - Anti-PON1 antibody  
[EPR2893] (ab126597)

Purified ab126597 at 1/20 dilution (0.5µg) immunoprecipitating PON1 in Human liver lysate.

Lane 1 (input): Human liver lysate 10µg

Lane 2 (+): ab126597 + Human liver lysate.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab126597 in Human liver lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 40-45 kDa

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-PON1 antibody [EPR2893] (ab126597)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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