

For Research Use Only

# PON1 Recombinant antibody

Catalog Number: 83982-2-RR



## Basic Information

<b>Catalog Number:</b> 83982-2-RR	<b>GenBank Accession Number:</b> BC074719	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5444	<b>CloneNo.:</b> 241091B7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P27169	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> paraoxonase 1	
<b>Immunogen Catalog Number:</b> AG12934	<b>Calculated MW:</b> 355 aa, 40 kDa	
	<b>Observed MW:</b> 40-45 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human plasma,
<b>Species Specificity:</b> human	

## Background Information

PON1, also named PON and K-45, belongs to the paraoxonase family. PON1 hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. It is capable of hydrolyzing a broad spectrum of organophosphate substrates and several aromatic carboxylic acid esters. PON1 may mediate enzymatic protection of low-density lipoproteins against oxidative modification and the consequent series of events leading to atheroma formation. PON1 was identified as a triple band in a range of approximately 35-40 kDa. For glycosylated, the MW of PON1 is migrated 42-45kd, while the 35 kDa band represents the unglycosylated form (PMID: 17906223, 32002976, 21852972). The antibody has cross-reaction to PON2 and PON3.

## Storage

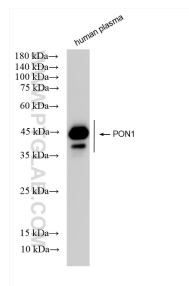
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83982-2-RR (PON1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.