Datasheet for ABIN954245

anti-PON1 antibody (Middle Region)

3 Images

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Overview

Quantity:	0.4 mL
Target:	PON1
Binding Specificity:	AA 121-149, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PON1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 121-149 amino acids from the Central region of human PON1.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human PON1 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	PON1
Alternative Name:	PON1 (PON1 Products)

Target Details

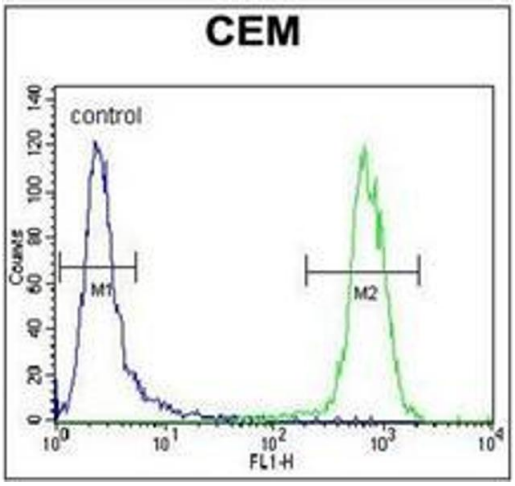
Background:	The enzyme encoded by this gene is an Arylesterase that mainly hydrolyzes Paroxon to produce p-Nitrophenol. Paroxon is an organophosphorus anticholinesterase compound that is produced in vivo by oxidation of the insecticide parathion. Polymorphisms in this gene are a risk factor in coronary artery disease. The gene is found in a cluster of three related paraoxonase genes at 7q21.3.Synonyms: A-esterase 1, Aromatic esterase 1, EC=3.1.1.2, EC=3.1.8.1, K-45, PON, PON 1, PON-1, Serum aryldialkylphosphatase 1, Serum paraoxonase/arylesterase 1
Molecular Weight:	39731 Da
Gene ID:	5444
NCBI Accession:	NP_000437

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

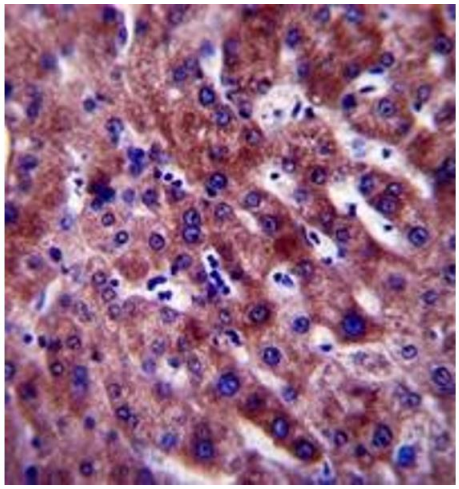
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



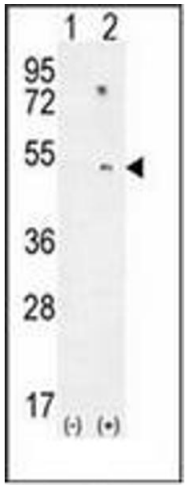
Flow Cytometry

Image 1. Flow cytometric analysis of CEM cells using PON1 Antibody (Center) Cat.-No AP53390PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue reacted with PON1 Antibody (Center) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of PON1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis of PON1 (arrow) using PON1 Antibody (Center) Cat.-No AP53390PU-N. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PON1 gene (Lane 2) .