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Datasheet for ABIN654641 anti-PON1 antibody (AA 118-145)

3 Images

1 Publication



Overview

Quantity:	400 µL
Target:	PON1
Binding Specificity:	AA 118-145
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))
Product Details	

Immunogen:	This PON1 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 118-145 amino acids from the Central region of human PON1.
Clone:	RB28448
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
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Target Details

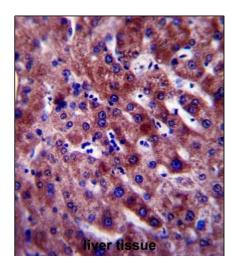
Target:	PON1
Alternative Name:	PON1 (PON1 Products)

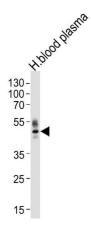
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Target Details	
Background:	The enzyme encoded by this gene is an arylesterase that mainly hydrolyzes paroxon to produce p-nitrophenol. Paroxon is an organophosphorus anticholinesterase compound that is produced in vivo by oxidation of the insecticide 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.
Molecular Weight:	39731
Gene ID:	5444
NCBI Accession:	NP_000437
UniProt:	P27169
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months
Publications	
Product cited in:	Gispert, Parganlija, Klinkenberg, Dröse, Wittig, Mittelbronn, Grzmil, Koob, Hamann, Walter, Büchel, Adler, Hrabé de Angelis, Busch, Zell, Reichert, Brandt, Osiewacz, Jendrach, Auburger: " Loss of mitochondrial peptidase Clpp leads to infertility, hearing loss plus growth retardation via accumulation of CLPX, mtDNA and inflammatory factors." in: Human molecular genetics , Vol. 22, Issue 24, pp. 4871-87, (2013) (PubMed).

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Images



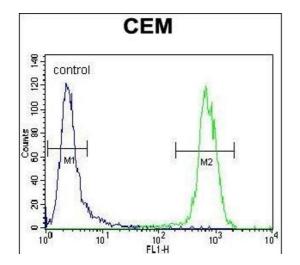


Immunohistochemistry (Paraffin-embedded Sections)

Image 1. PON1 Antibody (Center) (ABIN654641 and ABIN2844338) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PON1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of lysate from human blood plasma tissue lysate, using PON1 Antibody (Center) (ABIN654641 and ABIN2844338). (ABIN654641 and ABIN2844338) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg per lane.



Flow Cytometry

Image 3. PON1 Antibody (Center) (ABIN654641 and ABIN2844338) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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