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Product datasheet for AP53390PU-N

PON1 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/100-1/500. **Flow Cytometry:** 1/10-1/50. **Immunohistochemistry on Paraffin Sections:** 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 121-149 amino acids from the Central region of human PON1.
Specificity:	This antibody recognizes Human PON1 (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	paraoxonase 1
Database Link:	Entrez Gene 5444 Human P27169

View online »

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.

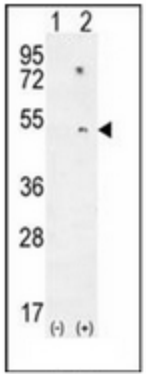
Synonyms: PON-1, PON, Serum paraoxonase/arylesterase 1, PON 1, EC=3.1.1.2, EC=3.1.8.1, Serum aryldialkylphosphatase 1, A-esterase 1, Aromatic esterase 1, K-45

Note: **Molecular Weight:** 39731 Da

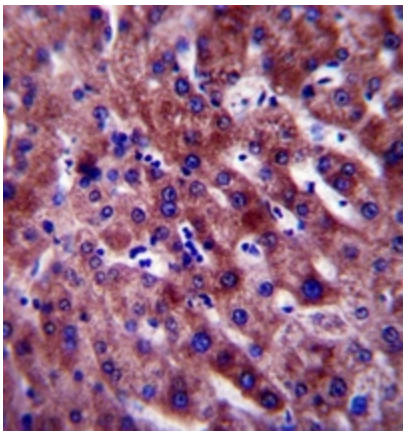
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Metabolic pathways

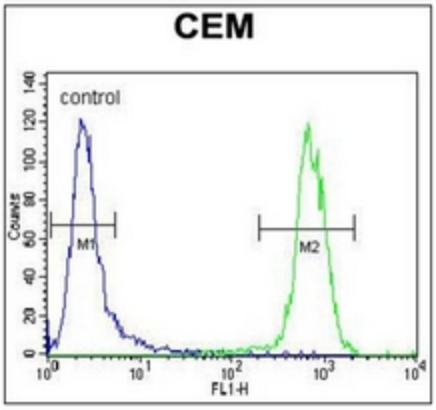
Product images:



Western blot analysis of PON1 (arrow) using PON1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PON1 gene (Lane 2).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue reacted with PON1 Antibody (Center), 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.



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