

ARG41571 anti-PON1 / paraoxonase 1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PON1 / paraoxonase 1
Tested Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PON1 / paraoxonase 1
Species	Rat
Immunogen	Recombinant protein corresponding to A30-D274 of Rat PON1 / paraoxonase 1.
Conjugation	Un-conjugated
Alternate Names	K-45; Aromatic esterase 1; MVCD5; EC 3.1.1.81; A-esterase 1; PON; Serum paraoxonase/arylesterase 1; ESA; Serum aryldialkylphosphatase 1; EC 3.1.8.1; EC 3.1.1.2; PON 1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 43 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

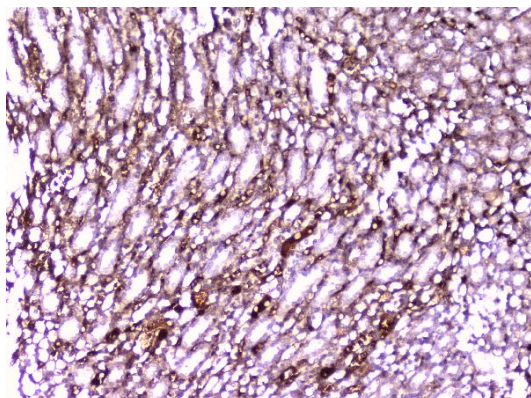
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

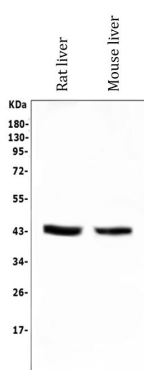
Gene Symbol	PON1
Gene Full Name	paraoxonase 1
Background	The enzyme encoded by this gene is an arylesterase that mainly hydrolyzes paroxon to produce p-nitrophenol. Paroxon is an organophosphorus anticholinesterase compound that is produced in vivo by oxidation of the insecticide parathion. Polymorphisms 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. [provided by RefSeq, Oct 2008]
Function	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. [UniProt]
Calculated Mw	40 kDa
PTM	Glycosylated. The signal sequence is not cleaved. Present in two forms, form B contains a disulfide bond, form A does not. [UniProt]
Cellular Localization	Secreted, extracellular space. [UniProt]

Images



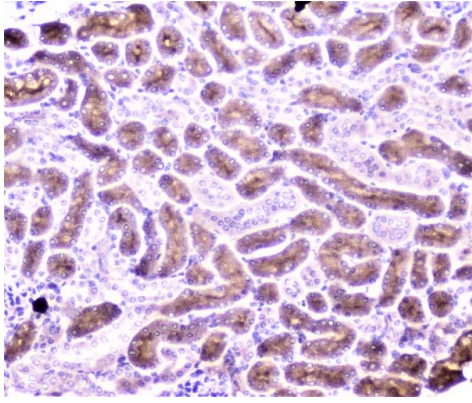
ARG41571 anti-PON1 / paraoxonase 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41571 anti-PON1 / paraoxonase 1 antibody at 2 µg/ml dilution, overnight at 4°C.



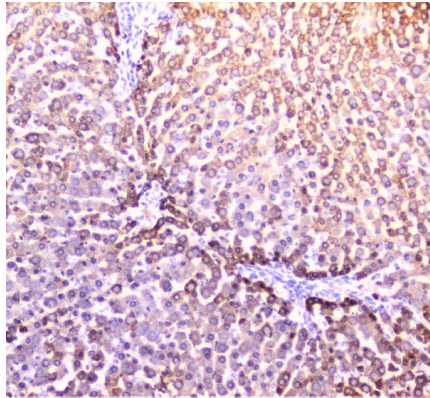
ARG41571 anti-PON1 / paraoxonase 1 antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat liver and Mouse liver lysates stained with ARG41571 anti-PON1 / paraoxonase 1 antibody at 0.5 µg/ml dilution, overnight at 4°C.



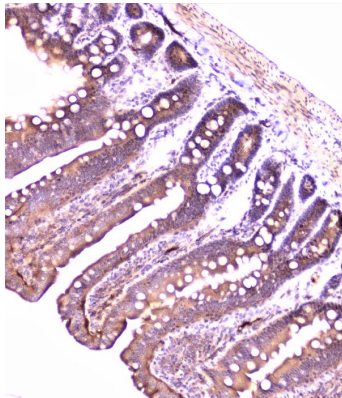
ARG41571 anti-PON1 / paraoxonase 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse kidney tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41571 anti-PON1 / paraoxonase 1 antibody at 2 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG41571 anti-PON1 / paraoxonase 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat liver tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41571 anti-PON1 / paraoxonase 1 antibody at 2 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG41571 anti-PON1 / paraoxonase 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat small intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41571 anti-PON1 / paraoxonase 1 antibody at 2 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.