

## ARG41549 anti-PON1 / paraoxonase 1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PON1 / paraoxonase 1
Tested Reactivity	Hu
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PON1 / paraoxonase 1
Species	Human
Immunogen	Synthetic peptide of Human 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 arylalkylphosphatase 1; EC 3.1.8.1; EC 3.1.1.2; PON 1

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human plasma	
Observed Size	~ 40 kDa	

### Properties

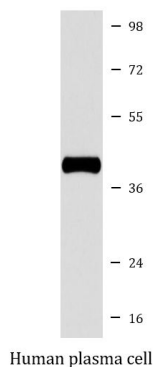
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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



ARG41549 anti-PON1 / paraoxonase 1 antibody WB image

Western blot: Human plasma cell lysate stained with ARG41549 anti-PON1 / paraoxonase 1 antibody.