

ARG57089 anti-PON3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PON3
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PON3
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 10-38 (N-terminus) of Human PON3.
Conjugation	Un-conjugated
Alternate Names	EC 3.1.8.1; EC 3.1.1.2; Serum paraoxonase/lactonase 3; EC 3.1.1.81

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	

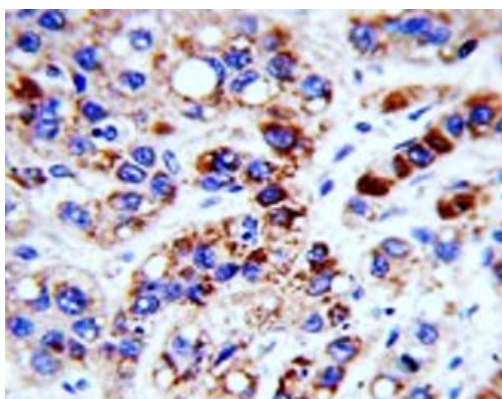
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
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

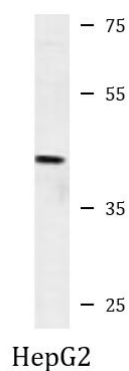
Database links	GeneID: 5446 Human Swiss-port # Q15166 Human
Gene Symbol	PON3
Gene Full Name	paraoxonase 3
Background	This gene is a member of the paraoxonase family and lies in a cluster on chromosome 7 with the other two family members. The encoded protein is secreted into the bloodstream and associates with high-density lipoprotein (HDL). The protein also rapidly hydrolyzes lactones and can inhibit the oxidation of low-density lipoprotein (LDL), a function that is believed to slow the initiation and progression of atherosclerosis. Alternatively spliced variants which encode different protein isoforms have been described; however, only one has been fully characterized. [provided by RefSeq, Jul 2008]
Function	Has low activity towards the organophosphate paraxon and aromatic carboxylic acid esters. Rapidly hydrolyzes lactones such as statin prodrugs (e.g. lovastatin). Hydrolyzes aromatic lactones and 5- or 6-member ring lactones with aliphatic substituents but not simple lactones or those with polar substituents. [UniProt]
Calculated Mw	40 kDa
PTM	The signal sequence is not cleaved.
Cellular Localization	Secreted, extracellular space.

Images



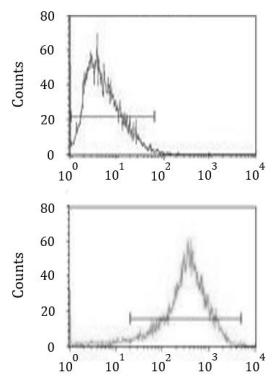
ARG57089 anti-PON3 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human hepatocarcinoma tissue stained with ARG57089 anti-PON3 antibody.



ARG57089 anti-PON3 antibody WB image

Western blot: 35 µg of HepG2 cell lysate stained with ARG57089 anti-PON3 antibody.



ARG57089 anti-PON3 antibody FACS image

Flow Cytometry: HepG2 cells stained with ARG57089 anti-PON3 antibody (bottom histogram) or without primary antibody control (top histogram), followed by incubation with FITC labelled secondary antibody.