

ARG55442 anti-PON2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PON2
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PON2
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 74-101 (Center) of Human PON2.
Conjugation	Un-conjugated
Alternate Names	Aromatic esterase 2; EC 3.1.1.81; A-esterase 2; Serum paraoxonase/arylesterase 2; Serum arylalkylphosphatase 2; PON 2; EC 3.1.1.2

Application Instructions

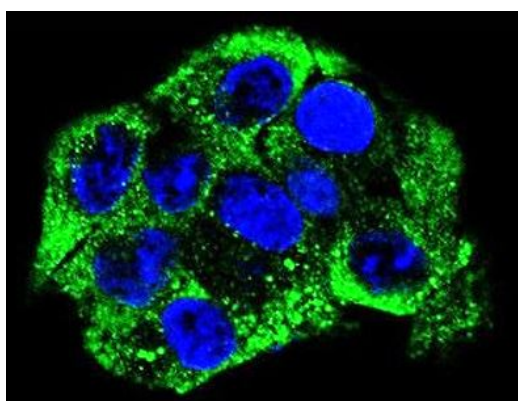
Application table	Application	Dilution
	ICC/IF	1:10 - 1:50
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	

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.

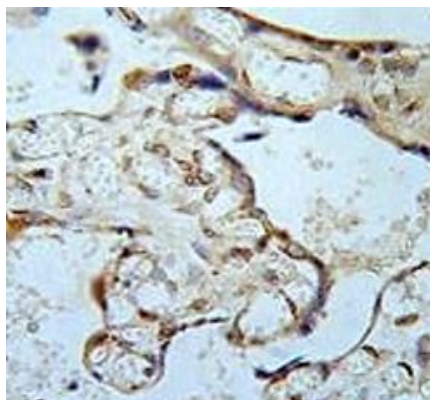
Database links	GeneID: 330260 Mouse GeneID: 5445 Human Swiss-port # Q15165 Human Swiss-port # Q62086 Mouse
Gene Symbol	PON2
Gene Full Name	paraoxonase 2
Background	This gene encodes a member of the paraoxonase gene family, which includes three known members located adjacent to each other on the long arm of chromosome 7. The encoded protein is ubiquitously expressed in human tissues, membrane-bound, and may act as a cellular antioxidant, protecting cells from oxidative stress. Hydrolytic activity against acylhomoserine lactones, important bacterial quorum-sensing mediators, suggests the encoded protein may also play a role in defense responses to pathogenic bacteria. Mutations in this gene may be associated with vascular disease and a number of quantitative phenotypes related to diabetes. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Function	Capable of hydrolyzing lactones and a number of aromatic carboxylic acid esters. Has antioxidant activity. Is not associated with high density lipoprotein. Prevents LDL lipid peroxidation, reverses the oxidation of mildly oxidized LDL, and inhibits the ability of MM-LDL to induce monocyte chemotaxis. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	39 kDa
PTM	The signal sequence is not cleaved.
Cellular Localization	Membrane; Peripheral membrane protein

Images



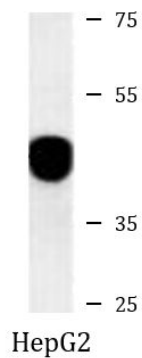
ARG55442 anti-PON2 antibody ICC/IF image

Immunofluorescence: HepG2 cells stained with ARG55442 anti-PON2 antibody (green). DAPI (blue) for nuclear staining.



ARG55442 anti-PON2 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human placenta tissue stained with ARG55442 anti-PON2 antibody.



ARG55442 anti-PON2 antibody WB image

Western blot: 15 µg of HepG2 cell lysate stained with ARG55442 anti-PON2 antibody.