

Rabbit PON2 Polyclonal Antibody | anti-PON2 antibody

PON2 Antibody

CATALOG # AAA326293	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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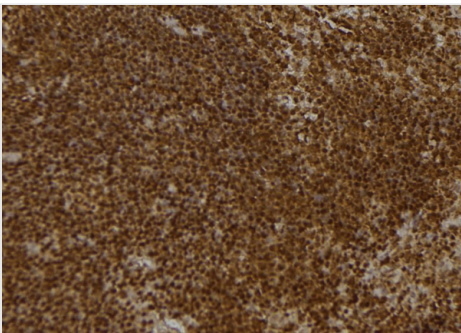
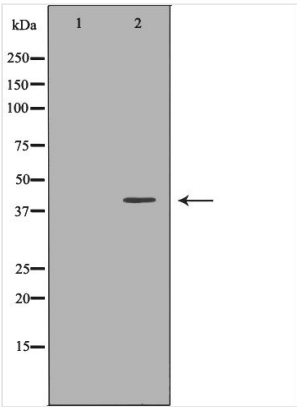
PRODUCT SYNONYMS

PON2; Polyclonal Antibody; PON2 Antibody; A esterase 2; A-esterase 2; Aromatic esterase 2; Paraoxonase 2; Paraoxonase nirs; PON 2; PON2_HUMAN; Serum arylalkylphosphatase 2; Serum paraoxonase/arylesterase 2; anti-PON2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PON2 antibody detects endogenous levels of total PON2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	354
Applicable Applications for anti-PON2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PON2
Subcellular Location	Membrane.
Tissue Specificity	Widely expressed with highest expression in liver, lung, placenta, testis and heart.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (90%), Bovine (90%), Horse (100%), Sheep (90%), Rabbit (90%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326293 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using PON2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PON2 antibody

Description: 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.
Subunit Structure: Homotrimer.
Post-translational Modifications: The signal sequence is not cleaved.
Similarity: Belongs to the paraoxonase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66529294
NCBI GeneID	5445
NCBI Accession #	NP_000296.2
NCBI GenBank Nucleotide #	NM_000305.2
UniProt Accession #	Q15165; O15114; O15115; O75856; Q5FBX7; Q86YL0; A4D1H7; B2RCP9; B4DJD5
Molecular Weight	Observed: 39 kDa Predicted: 40 kDa
NCBI Official Full Name	serum paraoxonase/arylesterase 2 isoform 1
NCBI Official Synonym Full Names	paraoxonase 2
NCBI Official Symbol	PON2
NCBI Protein Information	serum paraoxonase/arylesterase 2
UniProt Protein Name	Serum paraoxonase/arylesterase 2
UniProt Gene Name	PON2
UniProt Synonym Gene Names	PON 2; A-esterase 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pon2-antibody-immunohistochemistry-western-blot-elisa/326293>