

Rabbit anti-Human PON2 Polyclonal Antibody | anti-PON2 antibody

PON2 Antibody (N-term)

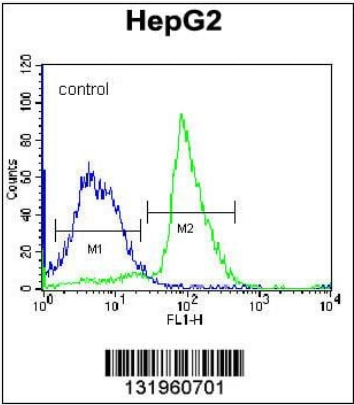
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289579	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

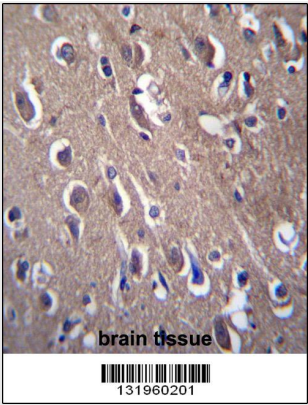
PON2; Polyclonal Antibody; PON2 Antibody (N-term); Serum paraoxonase/arylesterase 2; PON 2; Aromatic esterase 2; A-esterase 2; Serum arylalkylphosphatase 2; anti-PON2 antibody

PRODUCT SPECIFICATIONS

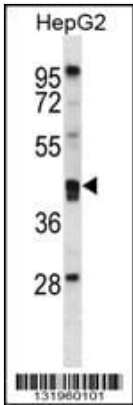
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PON2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 79-107 amino acids from the N-terminal region of human PON2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.39 (varies by lot)
Sequence Positions	79-107
Sequence Length	342
Applicable Applications for anti-PON2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
PON2 Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
PON2 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PON2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PON2 Antibody (N-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the PON2 antibody detected the PON2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PON2 antibody	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.
Product Categories/Family for anti-PON2 antibody	Cardiovascular; Metabolism; Neuroscience; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Altenhofer, S., et al. J. Biol. Chem. 285(32):24398-24403(2010) Ticozzi, N., et al. Ann. Neurol. 68(1):102-107(2010) Wang, Y., et al. Diabet. Med. 27(4):376-383(2010) Cross, D.S., et al. BMC Genet. 11, 51 (2010) :

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	39397
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
UniProt Entry Name	PON2_HUMAN

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-flow-cytometry-immunohistochemistry-western-blot-elisa/289579>