

PON2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12952a

Specification

PON2 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q15165](#)

PON2 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 5445

Other Names

Serum paraoxonase/arylesterase 2, PON 2, Aromatic esterase 2, A-esterase 2, Serum arylalkylphosphatase 2, PON2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PON2 Antibody (N-term) Blocking peptide - Protein Information

Name PON2

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.

Cellular Location

Membrane; Peripheral membrane protein

Tissue Location

Widely expressed with highest expression in liver, lung, placenta, testis and heart.

PON2 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PON2 Antibody (N-term) Blocking peptide - Images**PON2 Antibody (N-term) Blocking peptide - 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.

PON2 Antibody (N-term) Blocking peptide - 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) :