

PON1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10684c**Specification**

PON1 Antibody (Center) Blocking peptide - Product Information

Primary Accession [P27169](#)

PON1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 5444

Other Names

Serum paraoxonase/arylesterase 1, PON 1, Aromatic esterase 1, A-esterase 1, K-45, Serum arylalkylphosphatase 1, PON1, PON

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.

PON1 Antibody (Center) Blocking peptide - Protein Information

Name PON1

Synonyms PON

Function

Hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. Capable of hydrolyzing a broad spectrum of organophosphate substrates and lactones, and a number of aromatic carboxylic acid esters. Mediates an enzymatic protection of low density lipoproteins against oxidative modification and the consequent series of events leading to atheroma formation.

Cellular Location

Secreted, extracellular space.

Tissue Location

Plasma, associated with HDL (at protein level). Expressed in liver, but not in heart, brain, placenta, lung, skeletal muscle, kidney or pancreas.

PON1 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PON1 Antibody (Center) Blocking peptide - Images

PON1 Antibody (Center) Blocking peptide - Background

The enzyme encoded by this gene is an arylesterase that mainly hydrolyzes paroxon to produce p-nitrophenol. Paroxon is an organophosphorus anticholinesterase compound that is produced in vivo by oxidation of the insecticide parathion. Polymorphisms in this gene are a risk factor in coronary artery disease. The gene is found in a cluster of three related paraoxonase genes at 7q21.3.

PON1 Antibody (Center) Blocking peptide - References

Ergun, M.A., et al. Biochem. Genet. (2010) In press : Cagirci, G., et al. J. Heart Valve Dis. 19(4):453-458(2010) Mendonca, M.I., et al. Rev Port Cardiol 29(4):571-580(2010) Hashemi, M., et al. Genet. Mol. Res. 9(3):1735-1741(2010) Martinez, C., et al. BMC Neurol 10, 71 (2010) :