

AP07128PU-N**Polyclonal Antibody to PON2 (89-105) - Purified****Alternate names:**

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

Quantity:

50 µg

Concentration:

1 mg/ml

Background:

The paraoxonase (PON) gene family in humans has three members, PON1, PON2, and PON3, aligned next to each other on the long arm of chromosome 7q21.3-22.1. PON2 is synthesised mainly in the liver and hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. This enzyme is capable of hydrolyzing a broad spectrum of organophosphate substrates and a number of aromatic carboxylic acid esters. In addition, PON2 has a key antioxidant function, preventing LDL lipid peroxidation and reversing the oxidation of mildly oxidized LDL.

Uniprot ID:

[Q15165](#)

NCBI:

[NP_000296.2](#)

GeneID:

[5445](#)

Host:

Rabbit

Immunogen:

Synthetic peptide from aa 89-105 of human PON2

Format:

State: Liquid purified Ig fraction

Purification: Purified on Protein G

Buffer System: PBS with 0.09% Sodium Azide as preservative

Applications:

ELISA: 1/1000.

Immunohistochemistry on Paraffin Sections: 20 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody detects Human Serum Paraoxonase/arylesterase 2 (PON2) at aa 89-105.

Storage:

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Immunohistochemistry: AP07128PU-N PON2 antibody staining of Formalin-Fixed Paraffin-Embedded Human Liver at 20 µg/ml followed by biotinylated Goat anti-Rabbit IgG secondary antibody, Alkaline Phosphatase-Streptavidin and chromogen.

