

Anti-PON2 Picoband Antibody

Catalog # ABO12465

Specification

Anti-PON2 Picoband Antibody - Product Information

Application **WB**
Primary Accession [Q15165](#)
Host **Rabbit**
Reactivity **Human**
Clonality **Polyclonal**
Format **Lyophilized**

Description

Rabbit IgG polyclonal antibody for Serum paraoxonase/arylesterase 2 (PON2) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-PON2 Picoband Antibody - Additional Information

Gene ID 5445

Other Names

Serum paraoxonase/arylesterase 2, PON 2, 3.1.1.2, 3.1.1.81, Aromatic esterase 2, A-esterase 2, Serum aryldialkylphosphatase 2, PON2

Calculated MW

39397 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Membrane ; Peripheral membrane protein .

Tissue Specificity

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

Protein Name

Serum paraoxonase/arylesterase 2

Contents

Each vial contains 5mg BSA, 0.9mg NaCl,



Anti-PON2 Picoband antibody, ABO12465, Western blottingAll lanes: Anti PON2 (ABO12465) at 0.5ug/mlWB: HELA Whole Cell Lysate at 40ugPredicted bind size: 39KDObserved bind size: 39KD

Anti-PON2 Picoband Antibody - Background

PON2 is an enzyme that in humans is encoded by the PON2 gene. It is mapped to 7q21.3. 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 and 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.

0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human PON2 (241-273aa

AHEIHVLEKHTNMNLTQLKVLELDTLVDNLSID), different from the related mouse and rat sequences by four amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-PON2 Picoband Antibody - 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.

Anti-PON2 Picoband Antibody - Protocols

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

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)