BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-PON1 Antibody Picoband®

Catalog Number: PA2253

About PON1

Serum paraoxonase/arylesterase 1 (PON1), also known as aromatic esterase 1, is an enzyme that in humans is encoded by the PON1 gene. It is mapped to 7q21.3. This gene has esterase and more specifically paraoxonase activity. PON1 is responsible for hydrolysing organophosphate pesticides and nerve gasses. Polymorphisms in the PON1 gene significantly affect the catalytic ability of the enzyme. PON1 (paraoxonase 1) is also a major anti-atherosclerotic component of high-density lipoprotein (HDL). The PON1 gene is activated by PPAR-gamma, which increases synthesis and release of paraoxonase 1 enzyme from the liver, reducing atherosclerosis.

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Overview

Product Name	Anti-PON1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PON1 Antibody catalog # PA2253. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P27169

Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human PON1, different from the related mouse and rat sequences by three amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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Anti-PON1 Antibody Picoband® (PA2253) Images



Anti-PON1 antibody, PA2253, All Western blottingAll lanes: Anti-PON1(PA2253) at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 40ug Lane 2: Rat Lung Tissue Lysate at 40ug Lane 3: Human Placenta Tissue Lysate at 40ug Lane 4: Rat Testis Tissue Lysate at 40ug Lane 5: HELA Whole Cell Lysate at 40ug Lane 6: HEPA Whole Cell Lysate at 40ug Lane 7: A549 Whole Cell Lysate at 40ug Lane 8: JURKAT Whole Cell Lysate at 40ug Lane 9: SKOV Whole Cell Lysate at 40ug Predicted bind size: 40KD Observed bind size: 40KD

Anti-PON1 Antibody

For Research Use Only. Not for use in diagnostic procedures.