abcam

Product datasheet

Anti-PON1 antibody [EPR2893] - BSA and Azide free ab248121

リコンビナント RabMAb

画像数 4

製品の概要

製品名	Anti-PON1 antibody [EPR2893] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR2893] to PON1 - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** IP, WB **適用なし:** ICC/IF or IHC-P
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IP: Human liver lysate.. WB: Human mouse and rat plasma and liver lysate
特記事項	ab248121 is the carrier-free version of **ab126597**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR2893
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab248121の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 40 kDa (predicted molecular weight: 40 kDa).

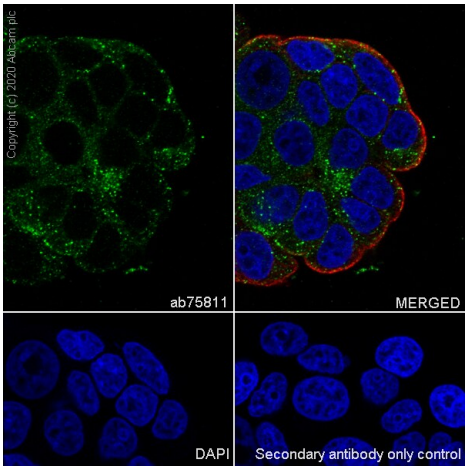
追加情報 Is unsuitable for ICC/IF or IHC-P.

ターゲット情報

機能	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.
組織特異性	Plasma, associated with HDL (at protein level). Expressed in liver, but not in heart, brain, placenta, lung, skeletal muscle, kidney or pancreas.
関連疾患	Genetic variation in PON1 is associated with susceptibility to microvascular complications of diabetes type 5 (MVCD5) [MIM:612633]. These are pathological conditions that develop in numerous tissues and organs as a consequence of diabetes mellitus. They include diabetic retinopathy, diabetic nephropathy leading to end-stage renal disease, and diabetic neuropathy. Diabetic retinopathy remains the major cause of new-onset blindness among diabetic adults. It is characterized by vascular permeability and increased tissue ischemia and angiogenesis. Note=Homozygosity for the Leu-54 allele is strongly associated with the development of retinal disease in diabetic patients.
配列類似性	Belongs to the paraoxonase family.
翻訳後修飾	Glycosylated. The signal sequence is not cleaved.

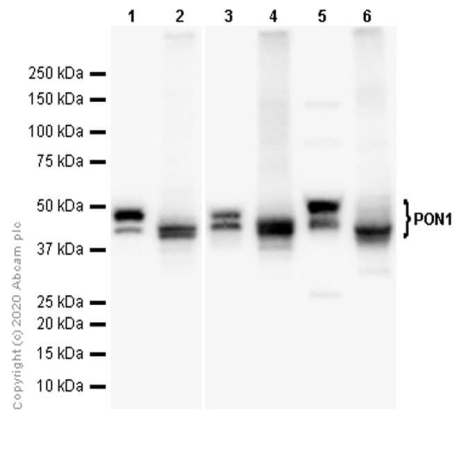
	Present in two forms, form B contains a disulfide bond, form A does not.
細胞内局在	Secreted > extracellular space.

画像



Immunocytochemistry/ Immunofluorescence - Anti-PON1 antibody [EPR2893] - BSA and Azide free (ab248121)

This data was developed using **ab226122**, the same antibody clone in a different buffer formulation.
Immunocytochemistry analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling Adiponectin with purified **ab226122** at 1/50 dilution (1.88 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-PON1 antibody [EPR2893] - BSA and Azide free (ab248121)

All lanes : Anti-PON1 antibody [EPR2893] (**ab126597**) at 1/1000 dilution

Lane 1 : Human plasma lysate
Lane 2 : Human liver lysate
Lane 3 : Mouse plasma lysate
Lane 4 : Mouse liver lysate
Lane 5 : Rat plasma lysate
Lane 6 : Rat liver lysate

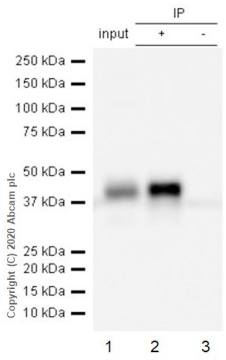
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 40 kDa
Observed band size: 40-45 kDa

This data was developed using **ab126597**, the same antibody clone in a different buffer formulation.

The expression profile and molecular weights observed are consistent with what have been described in the literatures (PMID: 17906223, 30262871).



Immunoprecipitation - Anti-PON1 antibody [EPR2893] - BSA and Azide free (ab248121)

This data was developed using **ab126597**, the same antibody clone in a different buffer formulation.
Purified **ab126597** at 1/20 dilution (0.5µg) immunoprecipitating PON1 in Human liver lysate.
Lane 1 (input): Human liver lysate 10µg
Lane 2 (+): **ab126597** + Human liver lysate.
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab126597** in Human liver lysate.
VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.
Blocking Buffer and concentration: 5% NFDM/TBST.
Diluting buffer and concentration: 5% NFDM/TBST.
Observed band size: 40-45 kDa

Anti-PON1 antibody [EPR2893] - BSA and Azide free (ab248121)

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