abcam

ab192038

Anti-PON2 antibody [EPR18547-2]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR18547-2
Purification technique	Affinity purification Protein A
Concentration	0.648 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Mouse
Dilution info	1/30
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Rat
Dilution info	1/1000
Notes	-

Flow Cyt (Intra)

Tested

Species	Mouse
Dilution info	1/600
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information Pon2

Function	Capable of hydrolyzing lactones and a number of aromatic carboxylic acid esters.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
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 batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

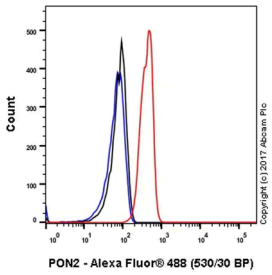
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

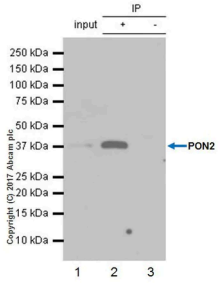
5 product images



Flow Cytometry (Intracellular) - Anti-PON2 antibody [EPR18547-2] (ab192038)

PON2 Flow Cytometry (Intracellular) staining using rabbit Anti-PON2 antibody

Intracellular flow cytometric analysis of4% paraformaldehyde-fixed, 90% methanol-permeabilized L-929 (mouse connective tissue fibroblast) cell line labeling PON2 with ab192038 at 1/600 dilution (red) compared with a Rabbit monoclonal IgG (ab172730) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluorr® 488) (ab150077), at 1/2000 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-PON2 antibody [EPR18547-2] (ab192038)

PON2 was immunoprecipitated from 0.35 mg of L-929 (mouse connective tissue fibroblast cell line) whole cell lysate with ab192038 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab192038 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/10,000 dilution.
Lane 1: L-929 whole cell lysate 10 µg (Input).

Lane 2: ab192038 IP in L-929 whole cell lysate (+).

Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab192038 in L-929 whole cell lysate (-).

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

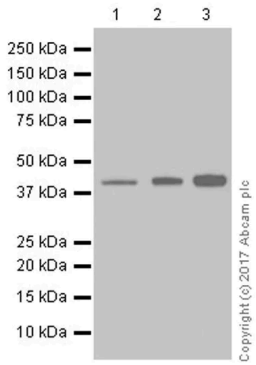
Exposure time: 3 minutes.

All lanes:
Immunoprecipitation - Anti-PON2 antibody [EPR18547-2] (ab192038)

Developed using the ECL technique.

Predicted band size: 39 kDa, 53 kDa, 58 kDa

Observed band size: 40 kDa



Western blot - Anti-PON2 antibody [EPR18547-2] (ab192038)

PON2 Western blot staining using rabbit Anti-PON2 antibody

Blocking and dilution buffer: 5% NFDM/TBST
All lanes:
Western blot - Anti-PON2 antibody [EPR18547-2] (ab192038) at 1/1000 dilution

Lane 1:
Mouse heart tissue lysate at 20 µg

Lane 2:
Mouse lung tissue lysate at 20 µg

Lane 3:
L-929 (mouse connective tissue fibroblast cell line) whole cell lysate at 20 µg

Secondary

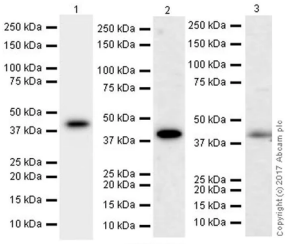
All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Developed using the ECL technique.

Predicted band size: 39 kDa

Observed band size: 40 kDa

Exposure time: 3min



Western blot - Anti-PON2 antibody [EPR18547-2] (ab192038)

Blocking and dilution buffer: 5% NFDM/TBST
Exposure times.

Lane 1: 24 seconds

Lanes 2 & 3: 3 minutes

The blot was developed on a BIO-RAD® ChemiDoc™ MP instrument.

All lanes:
Western blot - Anti-PON2 antibody [EPR18547-2] (ab192038) at 1/1000 dilution

Lane 1:
Rat liver tissue lysate at 10 µg

Lane 2:
Rat lung tissue lysate at 10 µg

Lane 3:
Rat heart tissue lysate at 10 µg

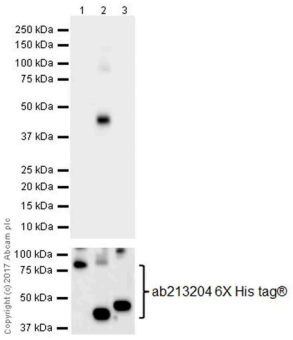
Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Developed using the ECL technique.

Predicted band size: 39 kDa

Observed band size: 40 kDa



Western blot - Anti-PON2 antibody [EPR18547-2] (ab192038)

Blocking and dilution buffer: 5% NFDM/TBST
The blot was developed on a BIO-RAD® ChemiDoc™ MP instrument.

All lanes:
Western blot - Anti-PON2 antibody [EPR18547-2] (ab192038) at 1/1000 dilution

Lane 1:
GST-His-tagged mouse PON1 (aa2-355) recombinant protein, 10 ng

Lane 2:
His-tagged mouse PON2 (aa1-354) recombinant protein , 10 ng

Lane 3:
His-tagged mouse PON3 (aa2-354) recombinant protein, 10 ng

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Developed using the ECL technique.

Predicted band size: 39 kDa

Exposure time: 6s

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.