abcam

ab187063

Anti-Mesothelin antibody [EPR17823-52]

Recombinant | RabMAb | 20ul selling size

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	EPR17823-52
Purification technique	Affinity purification Protein A
Specificity	This antibody recognizes a different epitope of Mesothelin compared to ab213174.
Concentration	0.568 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Rat, Mouse, Human
Dilution info	-
Notes	-

IP

Tested

Species	Mouse
Dilution info	1/30
Notes	-

Not recommended

Species	Rat, Human
Dilution info	-
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Not recommended

Species	Rat, Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Mouse
Dilution info	1/500
Notes	-

Not recommended

Species	Rat, Human
Dilution info	-
Notes	-

Target data

See full target information Msln

Function	Membrane-anchored forms may play a role in cellular adhesion. Megakaryocyte-potentiating factor (MPF) may potentiate megakaryocyte colony formation.

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

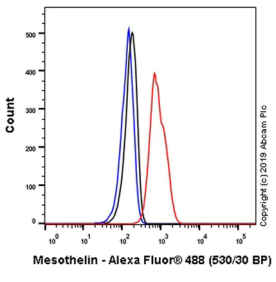
We do not recommend this combination. It is not covered by our product promise.

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.

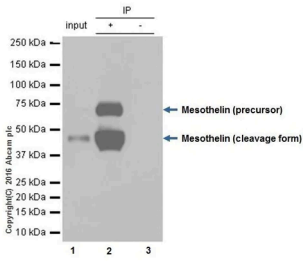
4 product images



Flow Cytometry (Intracellular) - Anti-Mesothelin antibody [EPR17823-52] (ab187063)

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

Intracellular Flow Cytometry analysis of NIH/3T3 (mouse embryo fibroblast cell line) cells labeling Mesothelin with ab187063 at 1/500. Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) at 1/2000 was used as the secondary antibody (red). Rabbit monoclonal IgG (ab172730) was used as the isotype control (black). Blue - Unlabeled control, cells without incubation with primary and secondary antibodies.



Immunoprecipitation - Anti-Mesothelin antibody [EPR17823-52] (ab187063)

Mesothelin was immunoprecipitated from 1 mg of NIH/3T3 (mouse embryo fibroblast cell line) whole cell lysate with ab187063 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab187063 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/10000 dilution.
Lane 1: NIH/3T3 whole cell lysate 10 µg (Input).

Lane 2: ab187063 IP in NIH/3T3 whole cell lysate (+).

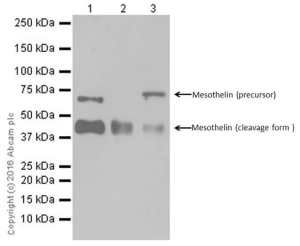
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab187063 in NIH/3T3 whole cell lysate (-).

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

Exposure time: 3 minutes.

All lanes:
Immunoprecipitation - Anti-Mesothelin antibody [EPR17823-52] (ab187063)

Predicted band size: 69 kDa



Western blot - Anti-Mesothelin antibody [EPR17823-52] (ab187063)

Blocking/Dilution buffer: 5% NFDM/TBST.
The expression profile observed is consistent with what has been described in the literature (PMID: 16857795; PMID: 17332303).

All lanes:
Western blot - Anti-Mesothelin antibody [EPR17823-52] (ab187063) at 1/1000 dilution

Lane 1:
NIH/3T3 (mouse embryo fibroblast cell line) whole cell lysate at 10 µg

Lane 2:
Mouse lung lysate at 10 µg

Lane 3:
Mouse heart lysate at 10 µg

Secondary

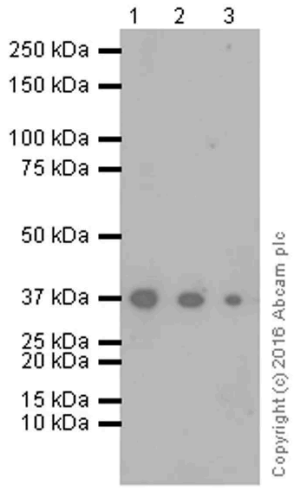
All lanes:
Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

Developed using the ECL technique.

Predicted band size: 69 kDa

Observed band size: 40 kDa, 71 kDa

Exposure time: 3min



Western blot - Anti-Mesothelin antibody [EPR17823-52] (ab187063)

Blocking/Dilution buffer: 5% NFDM/TBST.
Lane 1:
Western blot - Anti-Mesothelin antibody [EPR17823-52] (ab187063) at 1/1000 dilution

Lane 2:
Western blot - Anti-Mesothelin antibody [EPR17823-52] (ab187063) at 1/5000 dilution

Lane 3:
Western blot - Anti-Mesothelin antibody [EPR17823-52] (ab187063) at 1/20000 dilution

All lanes:
His-tagged mouse mesothelin fragment recombinant protein (aa298-600) at 0.01 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Developed using the ECL technique.

Predicted band size: 69 kDa

Observed band size: 40 kDa

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