abcam

ab277636

Anti-Decorin antibody [EPR24097-105]

Anti-Decorin antibody [EPR24097-105] (ab277636) is a rabbit monoclonal antibody detecting Decorin in **Western Blot, Flow Cytometry, IHC-P**. Suitable for **Human, Mouse, Rat**.

- Biophysical QC for unrivalled batch-batch consistency

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	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	EPR24097-105
Purification technique	Affinity purification Protein A
Concentration	0.51 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	-

IP

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	1/50
Notes	-

Expected

Species	Mouse, 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	-

Species	Human

Dilution info	1/1000
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/2000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Not recommended

Species	Mouse
Dilution info	-
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Rat
Dilution info	-
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target data

See full target information DCN

Function	May affect the rate of fibrils 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

What is this antibody validated in?
Anti-Decorin antibody [EPR24097-105] (ab277636) is a rabbit recombinant monoclonal antibody and is validated for use in Western Blot (WB), Flow Cytometry (Flow Cyt), Immunohistochemistry (IHC-P) in Human, Mouse, Rat samples.

What is the molecular weight of Decorin?
Anti-Decorin [EPR24097-105] (ab277636) specifically detects a band for Decorin (UniProt: P07585) at a molecular weight of 40kDa.

Other related products
We have a range of other formats of antibody clone [EPR24097-105] also available for your convenience: ab277636, Carrier free - ab277643, Alexa Fluor® 647 - ab281326, Alexa Fluor® 488 - ab281756

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.

Trial sizes available!
Test your antibody or perform pre-screening before committing to a larger quantity. Sold in 20µl. Discover our selection of trial-size 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.

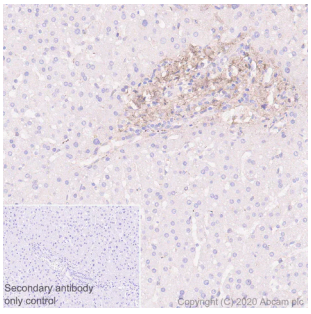
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

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9 product images

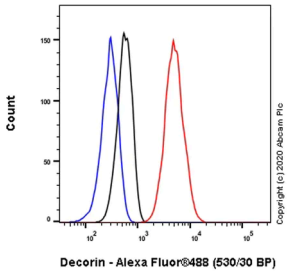


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Decorin antibody [EPR24097-105] (ab277636)

Decorin Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Decorin antibody

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling Decorin with ab277636 at 1/2000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Positive staining on stromal cells of human liver. The section was incubated with ab277636 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.
Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

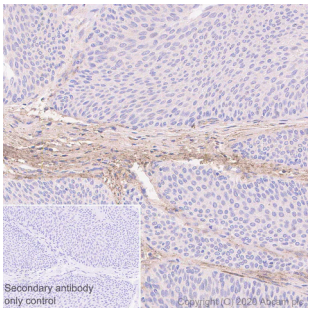
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Flow Cytometry - Anti-Decorin antibody [EPR24097-105] (ab277636)

Decorin Flow Cytometry staining using rabbit Anti-Decorin antibody

Flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized MG-63 (human osteosarcoma fibroblast) cells labelling Decorin with ab277636 at 1/50 dilution (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) at 1/2000 dilution was used as the secondary antibody.

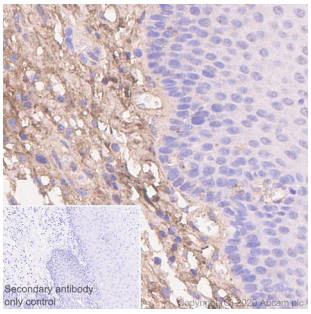


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Decorin antibody [EPR24097-105] (ab277636)

Decorin Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Decorin antibody

Immunohistochemical analysis of paraffin-embedded Human bladder cancer tissue labeling Decorin with ab277636 at 1/2000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Positive staining on stromal cells of human bladder cancer. The section was incubated with ab277636 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

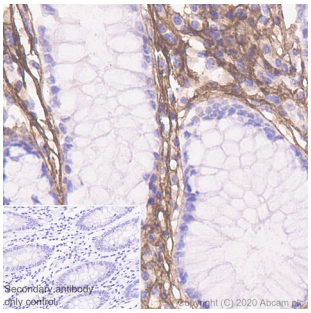


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Decorin antibody [EPR24097-105] (ab277636)

Decorin Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Decorin antibody

Immunohistochemical analysis of paraffin-embedded Human esophagus tissue labeling Decorin with ab277636 at 1/2000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Positive staining on stromal cells of human esophagus (PMID: 19212830). The section was incubated with ab277636 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

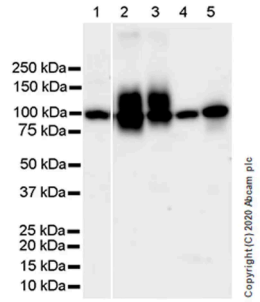


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Decorin antibody [EPR24097-105] (ab277636)

Decorin Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Decorin antibody

Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling Decorin with ab277636 at 1/2000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Positive staining on stromal cells of human colon (PMID:32824864). The section was incubated with ab277636 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins



Western blot - Anti-Decorin antibody [EPR24097-105] (ab277636)

Blocking and diluting buffer and concentration: 5% NFDM/TBST.
The observed MW is consistent with what has been described in the literature (PMID:12601001, 29561836, 8702652, 12623288).

Exposure time: 48 seconds.

All lanes:
Western blot - Anti-Decorin antibody [EPR24097-105] (ab277636) at 1/1000 dilution

Lane 1:
MG-63 (human osteosarcoma fibroblast) whole cell lysate at 20 µg

Lane 2:
Mouse uterus tissue lysate at 20 µg

Lane 3:
Rat uterus tissue lysate at 20 µg

Lane 4:
Mouse colon tissue lysate at 20 µg

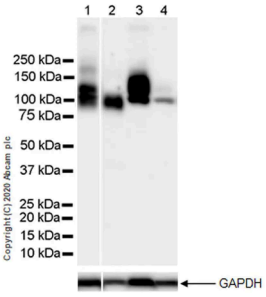
Lane 5:
Rat colon tissue lysate at 20 µg

Secondary

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

Predicted band size: 40 kDa

Observed band size: 90-140 kDa



Western blot - Anti-Decorin antibody [EPR24097-105] (ab277636)

Decorin Western blot staining using rabbit Anti-Decorin antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.
The observed MW is consistent with what has been described in the literature (PMID:12601001, 29561836, 8702652, 12623288).

Lower expression tissue: liver (PMID:1611907).

Exposure time: Lane 1: 8 seconds; Lanes 2-4: 48 seconds.

All lanes:
Western blot - Anti-Decorin antibody [EPR24097-105] (ab277636) at 1/1000 dilution

Lane 1:
Human uterus tissue lysate at 20 µg

Lane 2:
Human pancreas tissue lysate at 20 µg

Lane 3:
Human placenta tissue lysate at 20 µg

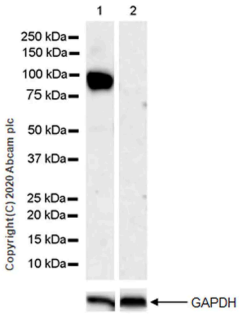
Lane 4:
Human liver tissue lysate at 20 µg

Secondary

All lanes:
Western blot - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/1000 dilution

Predicted band size: 40 kDa

Observed band size: 90-140 kDa



Western blot - Anti-Decorin antibody [EPR24097-105] (ab277636)

Decorin Western blot staining using rabbit Anti-Decorin antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.
The observed MW is consistent with what has been described in the literature (PMID:12601001, 29561836, 8702652, 12623288).

Negative control: HT-1080 (PMID:8702652).

Exposure time: 3 minutes.

All lanes:
Western blot - Anti-Decorin antibody [EPR24097-105] (ab277636) at 1/1000 dilution

Lane 1:
Human pancreas tissue lysate at 20 µg

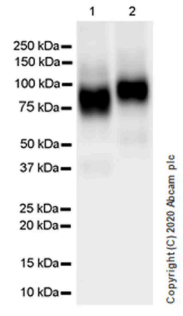
Lane 2:
HT-1080 (human fibrosarcoma epithelial cell) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/1000 dilution

Predicted band size: 40 kDa

Observed band size: 90-140 kDa



Western blot - Anti-Decorin antibody [EPR24097-105] (ab277636)

Decorin Western blot staining using rabbit Anti-Decorin antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.
The observed MW is consistent with what has been described in the literature (PMID:12601001, 29561836, 8702652, 12623288).

Exposure time: 15 seconds.

All lanes:
Western blot - Anti-Decorin antibody [EPR24097-105] (ab277636) at 1/1000 dilution

Lane 1:
Human colon tissue treated with PNGase F lysate at 20 µg

Lane 2:
Human colon tissue lysate at 20 µg

Secondary

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

Predicted band size: 40 kDa

Observed band size: 90-140 kDa

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