abcam

ab203698

Anti-Coronin 1a/TACO antibody [EPR19467-36]

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	EPR19467-36
Purification technique	Affinity purification Protein A
Concentration	0.454 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	1/100
Notes	-

Expected

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

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/500
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	1/1000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Mouse
Dilution info	1/1000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Rat
Dilution info	1/1000
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 CORO1A

Function	May be a crucial component of the cytoskeleton of highly motile cells, functioning both in the invagination of large pieces of plasma membrane, as well as in forming protrusions of the plasma membrane involved in cell locomotion. In mycobacteria-infected cells, its retention on the phagosomal membrane prevents fusion between phagosomes and lysosomes.

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

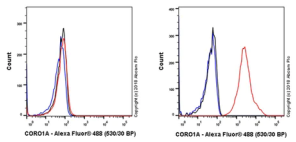
We do not recommend this combination. It is not covered by our product promise.

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.

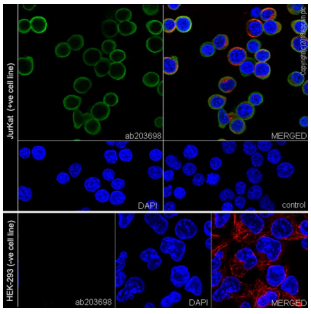
8 product images



Flow Cytometry (Intracellular) - Anti-Coronin 1a/TACO antibody [EPR19467-36] (ab203698)

Coronin 1a/TACO Flow Cytometry (Intracellular) staining using rabbit Anti-Coronin 1a/TACO antibody

Intracellular flow cytometric analysis of4% paraformaldehyde-fixed, 90% methanol-permeabilized HEK-293 (human epithelial cell line from embryonic kidney) (Left panel) and Jurkat (human T cell leukemia cell line from peripheral blood) (Right panel) cells labeling Coronin 1a/TACO with ab203698 at 1/500 dilution (red) compared with Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730) (black) and an unlabelled 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.
Negative control: HEK-293 (PMID:17341475).

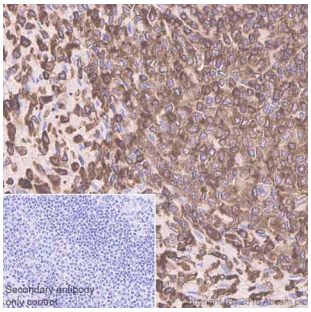


Immunocytochemistry/ Immunofluorescence - Anti-Coronin 1a/TACO antibody [EPR19467-36] (ab203698)

Coronin 1a/TACO Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Coronin 1a/TACO antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Jurkat (human T cell leukemia cell line from peripheral blood) cells labeling Coronin 1a/TACO with ab203698 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic and membranous staining in Jurkat cell line is observed. The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (ab195889) at 1/200 dilution.
Control: Used PBS instead of primary antibody, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution.

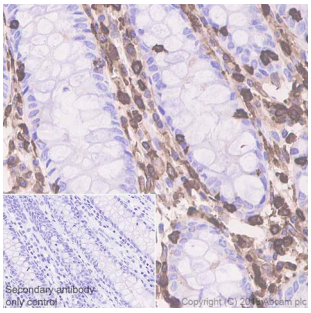
Negative control: HEK-293 (PMID:17341475).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Coronin 1a/TACO antibody [EPR19467-36] (ab203698)

Coronin 1a/TACO Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Coronin 1a/TACO antibody

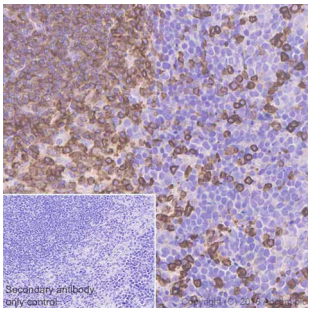
Immunohistochemical analysis of paraffin-embedded human spleen tissue labeling Coronin 1a/TACO with ab203698 at 1/1000 dilution, followed by a Goat Anti-Rabbit IgG H&L (HRP) ready to use. Positive staining on human spleen (PMID: 17341475) is observed. Counter stained with hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use.
Heat mediated antigen retrieval using ab93684 (Tris/EDTA buffer, pH 9.0).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Coronin 1a/TACO antibody [EPR19467-36] (ab203698)

Coronin 1a/TACO Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Coronin 1a/TACO antibody

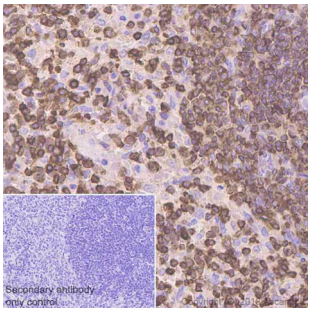
Immunohistochemical analysis of paraffin-embedded human colon tissue labeling Coronin 1a/TACO with ab203698 at 1/2000 dilution, followed by a Goat Anti-Rabbit IgG H&L (HRP) ready to use. Positive staining on human colon (PMID: 17341475) is observed. Counter stained with hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use.
Heat mediated antigen retrieval using ab93684 (Tris/EDTA buffer, pH 9.0).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Coronin 1a/TACO antibody [EPR19467-36] (ab203698)

Coronin 1a/TACO Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Coronin 1a/TACO antibody

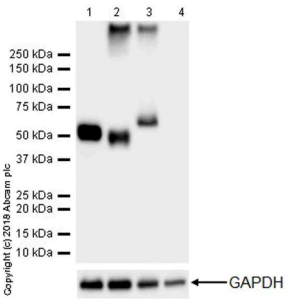
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling Coronin 1a/TACO with ab203698 at 1/1000 dilution, followed by a Goat Anti-Rabbit IgG H&L (HRP) ready to use. Positive staining on mouse spleen (PMID: 17341475) is observed. Counter stained with hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use.
Heat mediated antigen retrieval using ab93684 (Tris/EDTA buffer, pH 9.0).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Coronin 1a/TACO antibody [EPR19467-36] (ab203698)

Coronin 1a/TACO Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Coronin 1a/TACO antibody

Immunohistochemical analysis of paraffin-embedded rat spleen tissue labeling Coronin 1a/TACO with ab203698 at 1/1000 dilution, followed by a Goat Anti-Rabbit IgG H&L (HRP) ready to use. Positive staining on rat spleen (PMID: 17341475) is observed. Counter stained with hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use.
Heat mediated antigen retrieval using ab93684 (Tris/EDTA buffer, pH 9.0).



Western blot - Anti-Coronin 1a/TACO antibody [EPR19467-36] (ab203698)

Blocking and dilution buffer: 5% NFDM/TBST.
The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 22223354, PMID: 22364218).

Negative control: HEK-293.

All lanes:
Western blot - Anti-Coronin 1a/TACO antibody [EPR19467-36] (ab203698) at 1/1000 dilution

Lane 1:
Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate at 20 µg

Lane 2:
Raji (human Burkitt's lymphoma cell line) whole cell lysate at 20 µg

Lane 3:
MOLT-4 (human lymphoblastic leukemia cell line) whole cell lysate at 20 µg

Lane 4:
HEK-293 (human epithelial cell line from embryonic kidney) whole cell lysate at 20 µg

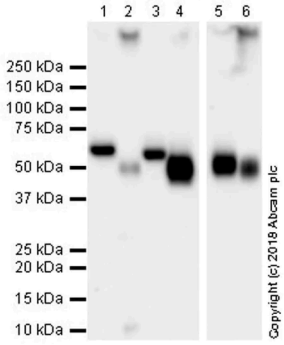
Secondary

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

Predicted band size: 51 kDa

Observed band size: 51 kDa, 57 kDa

Exposure time: 37s



Western blot - Anti-Coronin 1a/TACO antibody [EPR19467-36] (ab203698)

Coronin 1a/TACO Western blot staining using rabbit Anti-Coronin 1a/TACO antibody

Blocking and dilution buffer: 5% NFDM/TBST.
The expression profile/molecular weight observed is consistent with what has been described in the literature (PMID: 22223354, PMID: 22364218).

All lanes:
Western blot - Anti-Coronin 1a/TACO antibody [EPR19467-36] (ab203698) at 1/1000 dilution

Lane 1:
Human brain lysate at 20 µg

Lane 2:
Human spleen lysate at 20 µg

Lane 3:
Mouse brain lysate at 20 µg

Lane 4:
Mouse spleen lysate at 20 µg

Lane 5:

Rat spleen lysate at 20 µg

Lane 6:
RAW 264.7 (mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate

Secondary

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

Predicted band size: 51 kDa

Observed band size: 51 kDa, 57 kDa

Exposure time: 26s

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