

Anti-Coronin-1C antibody [EPR25365-24] ab283693

KO 評価済 リコンビナント RabMAb

画像数 9

製品の概要

製品名	Anti-Coronin-1C antibody [EPR25365-24]
製品の詳細	Rabbit monoclonal [EPR25365-24] to Coronin-1C
由来種	Rabbit
特異性	IHC and IP suitable for human only.
アプリケーション	適用あり: WB, IHC-P, IP 適用なし: Flow Cyt (Intra) or ICC/IF
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	WB: HepG2, A549, Neuro-2a, HL-1, C6, HeLa, Human heart, His-tagged human Coronin-1C recombinant protein, Wild-type HEK-293T. IHC-P: Human breast, breast cancer and lymphoid nodule tissue. IP: HeLa cells.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified

ポリ/モノ

モノクローナル

クローン名

EPR25365-24

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ab283693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
WB		1/1000. Detects a band of approximately 53 kDa (predicted molecular weight: 53 kDa).
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. IHC suitable for human only.
IP		1/30. IP suitable for human only.

追加情報

Is unsuitable for Flow Cyt (Intra) or ICC/IF.

ターゲット情報

機能

May be involved in cytokinesis, motility, and signal transduction.

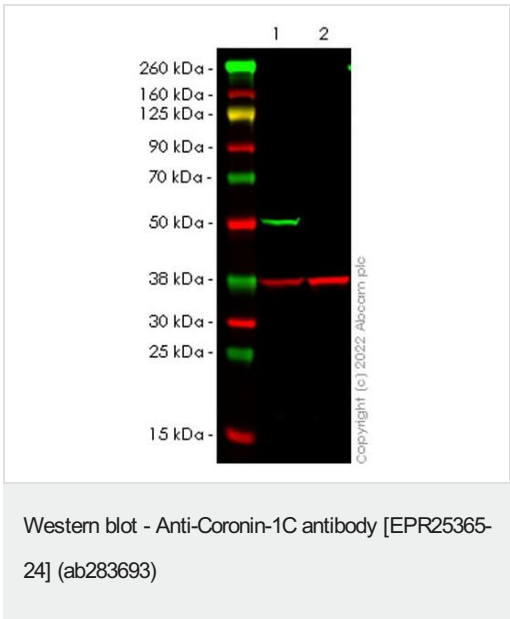
組織特異性

Ubiquitous.

配列類似性

Belongs to the WD repeat coronin family.
Contains 4 WD repeats.

画像



All lanes : Anti-Coronin-1C antibody [EPR25365-24] (ab283693)
at 1/1000 dilution

Lane 1 : Wild-type 293T (human embryonic kidney epithelial cell)
whole cell lysate

Lane 2 : Coronin-1C knockout HEK-293T whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (IRDye® 800CW)
([ab216773](#)) and Goat Anti-Mouse IgG H&L (IRDye® 680RD)
([ab216776](#)) at 1/20000 dilution

Predicted band size: 53 kDa

Observed band size: 53 kDa

Blocking buffer and concentration: ½ volume of Odyssey

Blocking Buffer (TBS)+ ½ volume of 0.1% TBS

Diluting buffer and concentration: ½ volume of Odyssey

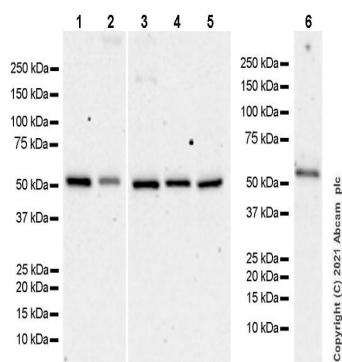
Blocking Buffer (TBS)+ ½ volume of 0.1% TBST

False colour image of Western blot: Anti-Coronin-1C antibody [EPR25365-24] (ab283693) staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red.

In Western blot, ab283693 was shown to bind specifically to Coronin-1C. A band was observed at 53 kDa in wild-type HEK-293T cell lysates with no signal observed at this size in Coronin-1C knockout cell line [ab266381](#) (knockout cell lysate ([ab258377](#))).

To generate this image, wild-type and Coronin-1C knockout HEK-293T cell lysates were analyzed. First, samples were run on an SDS-PAGE gel then transferred onto an immobilon-FL PVDF membrane. Membranes were blocked in Intercept[®] (TBS) Blocking Buffer diluted with an equal volume of 0.1% TBS before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged.

Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye[®] 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye[®] 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



Western blot - Anti-Coronin-1C antibody [EPR25365-24] (ab283693)

All lanes : Anti-Coronin-1C antibody [EPR25365-24] (ab283693) at 1/1000 dilution

Lane 1 : HepG2 (human hepatocellular carcinoma epithelial cell), whole cell lysate

Lane 2 : A549 (human lung carcinoma epithelial cell), whole cell lysate

Lane 3 : Neuro-2a (mouse neuroblastoma neuroblast), whole cell lysate

Lane 4 : HL-1 (mouse atrial muscle cell), whole cell lysate

Lane 5 : C6 (rat glial tumor glial cell), whole cell lysate

Lane 6 : Human heart tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

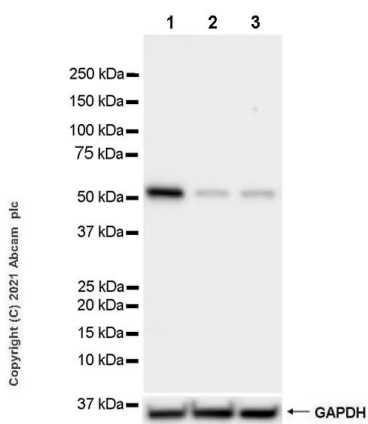
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/100000 dilution

Predicted band size: 53 kDa

Observed band size: 53 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Exposure time: 3 minutes



Western blot - Anti-Coronin-1C antibody [EPR25365-24] (ab283693)

All lanes : Anti-Coronin-1C antibody [EPR25365-24] (ab283693)

Lane 1 : HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate

Lane 2 : HeLa transfected with CORO1C siRNA 1 whole cell lysate

Lane 3 : HeLa transfected with CORO1C siRNA 2 whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

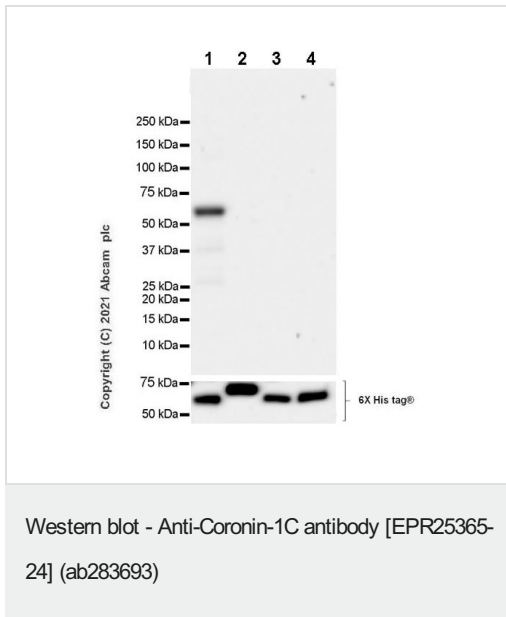
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/100000 dilution

Predicted band size: 53 kDa

Observed band size: 53 kDa

Blocking and diluting buffer concentration: 5% NFDM/TBST

Exposure time 26 seconds



All lanes : Anti-Coronin-1C antibody [EPR25365-24] (ab283693)
at 1/1000 dilution

Lane 1 : His-tagged human Coronin-1C recombinant protein

Lane 2 : His-tagged human Coronin-1B recombinant protein

Lane 3 : His-tagged human Coronin-6 recombinant protein

Lane 4 : His-tagged human Coronin-1A recombinant protein

Lysates/proteins at 0.005 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated
(**ab97051**) at 1/100000 dilution

Predicted band size: 53 kDa

Observed band size: 53 kDa

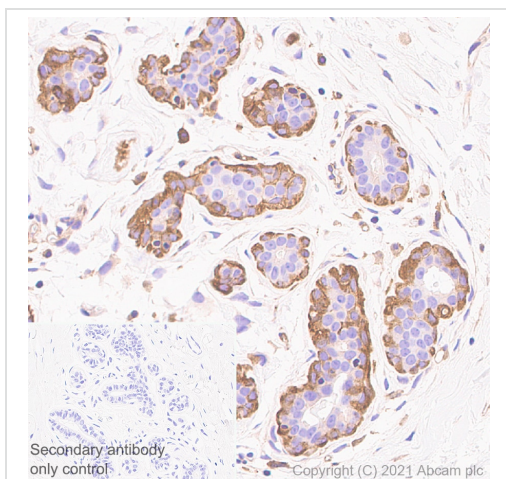
Blocking and diluting buffer and concentration: 5% NFDM/TBST

This antibody has no cross-reaction with human Coronin-1B,
Coronin-6 and Coronin-1A.

All the recombinant proteins were made in-house.

All the samples are E.coli extracts containing Coronin-1C, Coronin-1B, Coronin-6 or Coronin-1A recombinant protein respectively.

Exposure time: 26 seconds

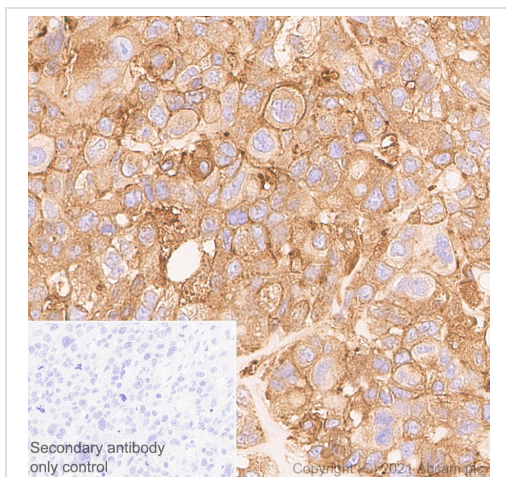


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Coronin-1C antibody [EPR25365-24] (ab283693)

Immunohistochemical analysis of paraffin-embedded Human breast tissue labelling Coronin-1C with ab283693 at 1/2000 (0.301 ug/ml) dilution followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on human breast (PMID: 30065298). The section was incubated with ab283693 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 LeicaDS9800 (Bond™ Polymer Refine Detection).

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

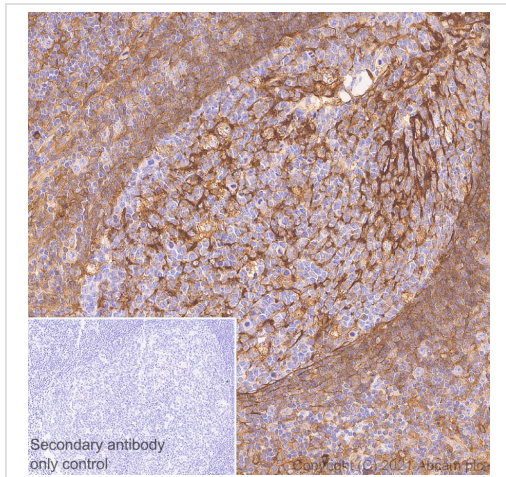


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Coronin-1C antibody [EPR25365-24] (ab283693)

Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue labelling Coronin-1C with ab283693 at 1/2000 (0.301 ug/ml) dilution followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on human breast cancer (PMID: 30065298). The section was incubated with ab283693 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 LeicaDS9800 (Bond™ Polymer Refine Detection).

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

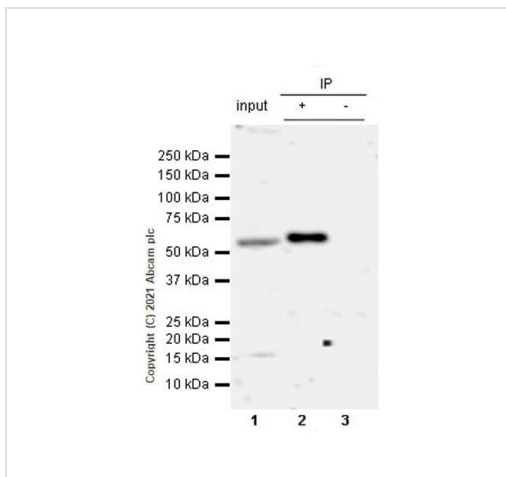


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Coronin-1C antibody [EPR25365-24] (ab283693)

Immunohistochemical analysis of paraffin-embedded Human lymphoid nodule tissue labelling Coronin-1C with ab283693 at 1/2000 (0.301 ug/ml) dilution followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on human lymphoid nodule (PMID: 20690162). The section was incubated with ab283693 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 LeicaDS9800 (Bond™ Polymer Refine Detection).

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



Immunoprecipitation - Anti-Coronin-1C antibody [EPR25365-24] (ab283693)

Coronin-1C was immunoprecipitated from 0.35 mg HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate 10 ug with ab283693 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab283693 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP) ([ab131366](#)) was used at 1/5000 dilution.

Lane 1: HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate 10 ug





Lane 2: ab283693 IP in HeLa whole cell lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab283693 in HeLa whole cell lysate

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

Exposure time: 3 minutes

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Coronin-1C antibody [EPR25365-24] (ab283693)

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