

Anti-Thrombospondin 1 antibody [EPR22928-10] ab263905

リコンビナント **RabMAb**

画像数 11

製品の概要

製品名	Anti-Thrombospondin 1 antibody [EPR22928-10]
製品の詳細	Rabbit monoclonal [EPR22928-10] to Thrombospondin 1
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-Fr, IP, IHC-P 適用なし: Flow Cyt (Intra) or ICC/IF
種交差性	交差種: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: 3T3-L1 starved with 0.4% serum for 24 hours, then cultivated with 15% serum for 6 hours, whole cell lysate, Rat and mouse platelet whole cell lysate. IHC-P: Human spleen and bone marrow, Mouse and rat spleen tissue. IHC-Fr: Mouse and rat spleen tissue. IP: Mouse platelet cell lysate.
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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 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	EPR22928-10
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ab263905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 180 kDa (predicted molecular weight: 129 kDa).
IHC-Fr		1/500. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
IP		1/30.
IHC-P		1/2000 - 1/5000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. Use at 1/5000 for human, 1/2000 for mouse and rat dilution.

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

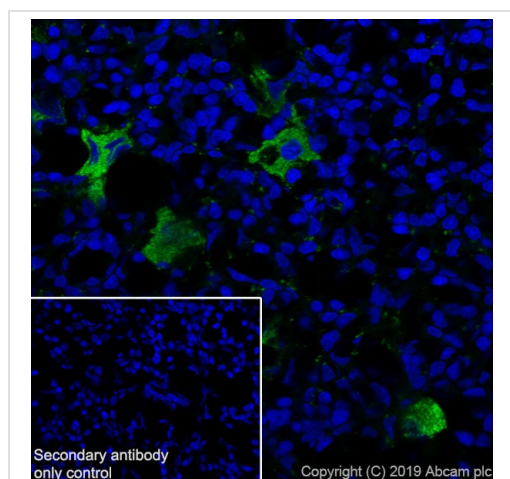
ターゲット情報

機能 Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. Binds heparin. May play a role in dentinogenesis and/or maintenance of dentin and dental pulp (By similarity). Ligand for CD36 mediating antiangiogenic properties. Plays a role in ER stress response, via its interaction with the activating transcription factor 6 alpha (ATF6) which produces adaptive ER stress response factors.

配列類似性 Belongs to the thrombospondin family.
Contains 2 EGF-like domains.
Contains 1 laminin G-like domain.
Contains 1 TSP C-terminal (TSPC) domain.
Contains 3 TSP type-1 domains.
Contains 8 TSP type-3 repeats.
Contains 1 VWFC domain.

細胞内局在 Endoplasmic reticulum. Sarcoplasmic reticulum.

画像

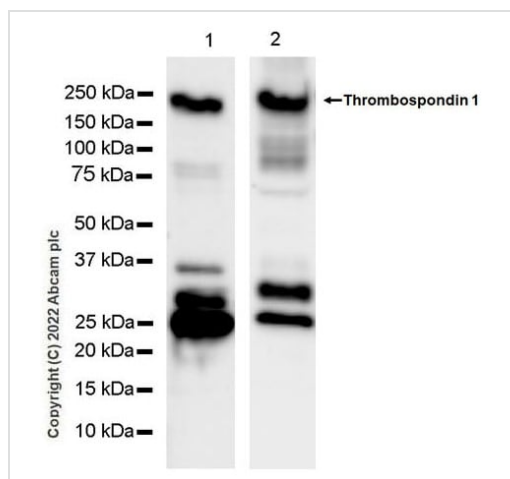


Immunohistochemistry (Frozen sections) - Anti-Thrombospondin 1 antibody [EPR22928-10] (ab263905)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen rat spleen tissue labeling Thrombospondin 1 with ab263905 at 1/500 dilution followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at a 1/1000 dilution. Positive staining on rat splenic megakaryocytes and platelet (PMID: 28239144) is observed. Nuclear counterstain DAPI.

Secondary antibody only control: Secondary antibody is **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at a 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



Western blot - Anti-Thrombospondin 1 antibody [EPR22928-10] (ab263905)

All lanes : Anti-Thrombospondin 1 antibody [EPR22928-10] (ab263905) at 1/1000 dilution

Lane 1 : Mouse platelet whole cell lysate

Lane 2 : Rat platelet whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 129 kDa

Observed band size: 180 kDa

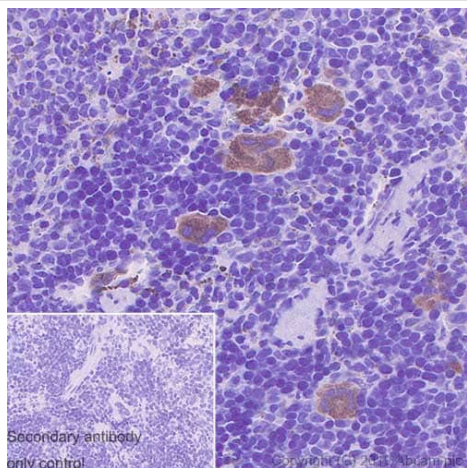
Blocking buffer and concentration: 5% NFDm/TBST

Diluting buffer and concentration: 5% NFDm/TBST

Exposure time: Lane 1: 59 seconds Lane 2: 15 seconds

The identity of the lower MW bands at approximately 25 kDa is unknown.

The bands beneath the target band (~75-180 kDa) are likely to be degraded target fragments.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thrombospondin 1 antibody [EPR22928-10] (ab263905)

Immunohistochemical analysis of paraffin-embedded rat spleen tissue labeling Thrombospondin 1 with ab263905 at 1/2000 dilution followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP Polymer). Positive staining on the megakaryocytes and platelets in the rat spleen. The section was incubated with ab263905 for 15 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP Polymer).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.



Immunoprecipitation - Anti-Thrombospondin 1 antibody [EPR22928-10] (ab263905)

Thrombospondin 1 was immunoprecipitated from 0.35 mg mouse platelet lysate 10µg with ab263905 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab263905 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

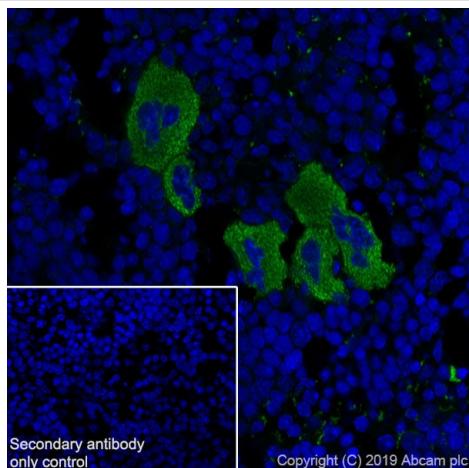
Lane 1: Mouse platelet lysate 10µg

Lane 2: ab263905 IP in mouse platelet lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab263905 in mouse platelet lysate

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

Exposure time: 3 mins.



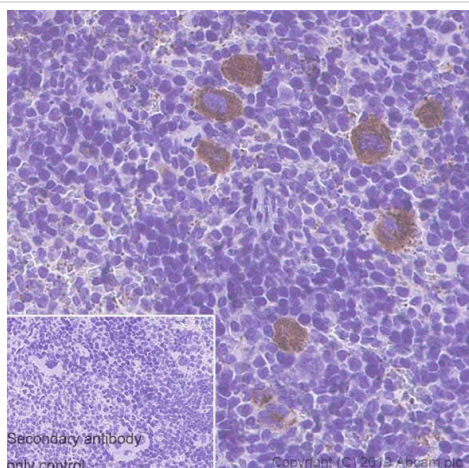
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Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse spleen tissue labeling

Thrombospondin 1 with ab263905 at 1/500 dilution followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at a 1/1000 dilution. Positive staining on mouse splenic megakaryocytes and platelet (PMID: 28239144) is observed. Nuclear counterstain DAPI.

Secondary antibody only control: Secondary antibody is **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at a 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

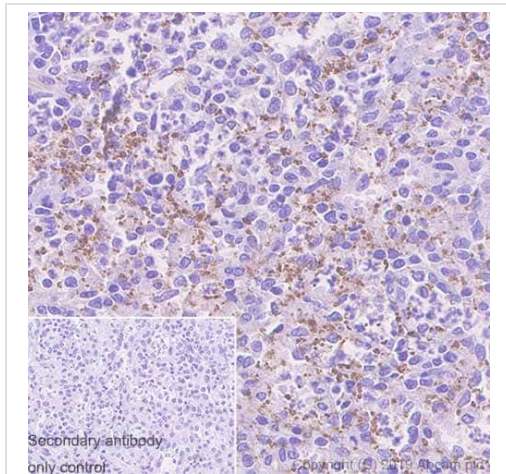


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thrombospondin 1 antibody [EPR22928-10] (ab263905)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling Thrombospondin 1 with ab263905 at 1/2000 dilution followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP Polymer). Positive staining on the megakaryocytes and platelets in the mouse spleen. The section was incubated with ab263905 for 15 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP Polymer).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

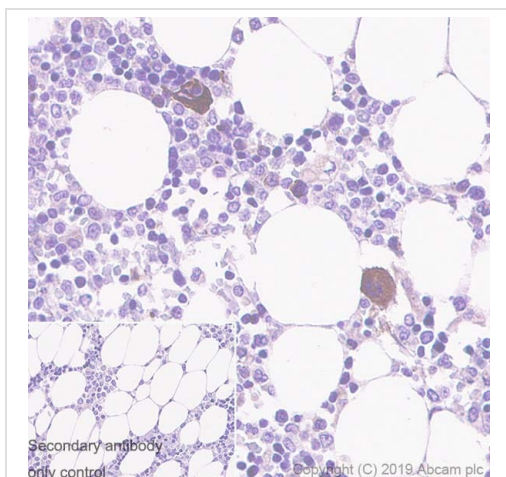


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thrombospondin 1 antibody [EPR22928-10] (ab263905)

Immunohistochemical analysis of paraffin-embedded human spleen tissue labeling Thrombospondin 1 with ab263905 at 1/5000 dilution followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP Polymer). Positive staining on the platelets in the human spleen (PMID: 28239144). The section was incubated with ab263905 for 15 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP Polymer).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

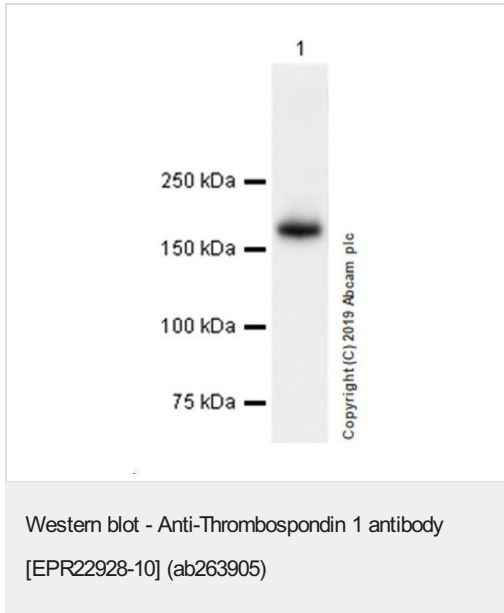


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thrombospondin 1 antibody [EPR22928-10] (ab263905)

Immunohistochemical analysis of paraffin-embedded human bone marrow tissue labeling Thrombospondin 1 with ab263905 at 1/5000 dilution followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP Polymer). Positive staining on the megakaryocytes in the human bone marrow (PMID: 28239144). The section was incubated with ab263905 for 15 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP Polymer).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.



Anti-Thrombospondin 1 antibody [EPR22928-10] (ab263905) at 1/1000 dilution + Mouse platelet lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/25000 dilution

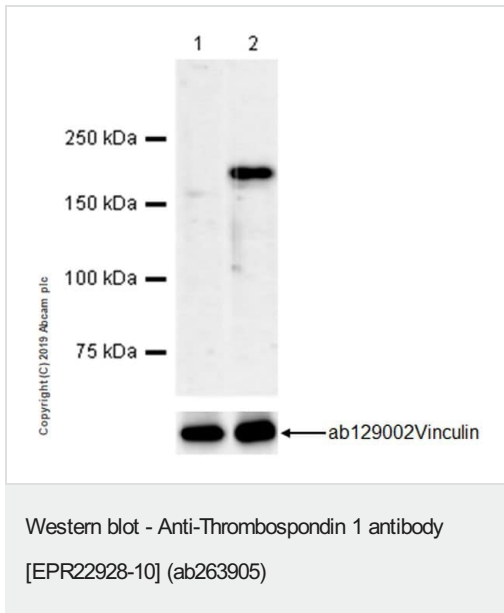
Predicted band size: 129 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

The molecular weight observed is consistent with what has been described in the literature (PMID: 27588705).

Exposure time: 1 second.

Observed MW: 180 kDa.



All lanes : Anti-Thrombospondin 1 antibody [EPR22928-10] (ab263905) at 1/1000 dilution

Lane 1 : 3T3-L1 (mouse embryonic fibroblast) starved with 0.4% serum for 30 hours whole cell lysate

Lane 2 : 3T3-L1 starved with 0.4% serum for 24 hours, then cultivated with 15% serum for 6 hours. whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/25000 dilution

Predicted band size: 129 kDa

Observed band size: 180 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

TSP 1 is a serum-responsive gene. Its express is elevated in quiescent 3T3 with serum addition.

The molecular weight observed is consistent with what has been described in the literature (PMID: 8422970, 27588705).

Exposure time: 3 minutes.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Thrombospondin 1 antibody [EPR22928-10]
(ab263905)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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