

Anti-DMC1 antibody [EPR23207-130] ab245217

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** 画像数 9

製品の概要

製品名	Anti-DMC1 antibody [EPR23207-130]
製品の詳細	Rabbit monoclonal [EPR23207-130] to DMC1
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, IP, IHC-Fr
種交差性	交差種: Mouse, Rat
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: His-tagged mouse DMC1 recombinant protein, Mouse testis, Rat testis lysates. IHC-P: Mouse testis, Rat testis tissues. IP: Mouse testis 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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR23207-130
アイソタイプ	IgG

アプリケーション

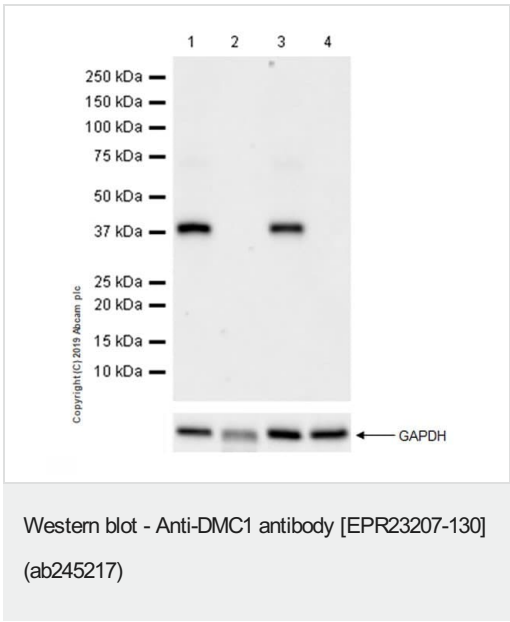
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab245217の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/1000. Predicted molecular weight: 38 kDa.
IHC-P		1/4000.
IP		1/30.
IHC-Fr		1/100.

ターゲット情報

機能	May participate in meiotic recombination, specifically in homologous strand assimilation, which is required for the resolution of meiotic double-strand breaks.
配列類似性	Belongs to the RecA family. DMC1 subfamily. Contains 1 HhH domain.
細胞内局在	Nucleus. Chromosome.

画像



All lanes : Anti-DMC1 antibody [EPR23207-130] (ab245217) at 1/1000 dilution

- Lane 1 :** Mouse testis lysate
- Lane 2 :** Mouse spleen lysate
- Lane 3 :** Rat testis lysate
- Lane 4 :** Rat spleen lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

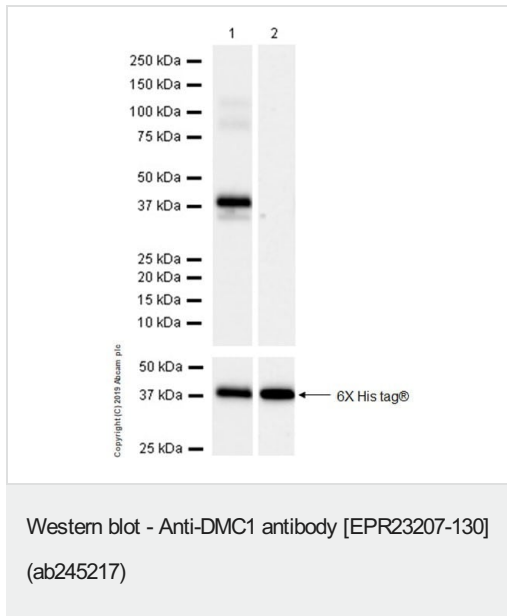
Predicted band size: 38 kDa
Observed band size: 38 kDa

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

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 22156371).

Negative control: Spleen (PMID: 21085687).

Exposure time: 26 seconds



All lanes : Anti-DMC1 antibody [EPR23207-130] (ab245217) at 1/1000 dilution

Lane 1 : His-tagged mouse DMC1 recombinant protein (aa2-340)

Lane 2 : His-tagged mouse Rad51 recombinant protein (aa2-339)

Secondary

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

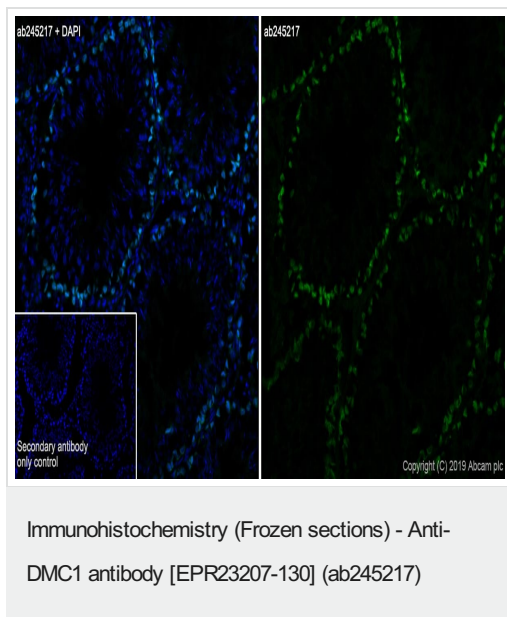
Predicted band size: 38 kDa

Observed band size: 38 kDa

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

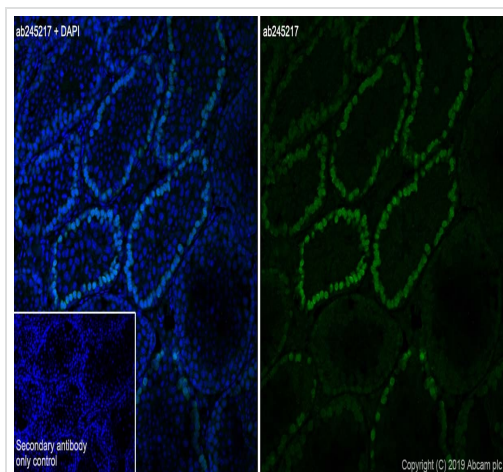
No cross-reactivity with mouse Rad51 is observed.

Exposure time: Lane 3 seconds; Lane 2:81 seconds.



Immunohistochemical analysis of 4% PFA fixed 0.2% Triton X-100 permeabilized frozen Rat testis tissue labeling VSIG4 with ab245217 at 1/100 (6.7 µg/ml) dilution followed by [ab150077](#) AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 (2 µg/ml) dilution. The nuclear counterstain was DAPI (Blue). Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

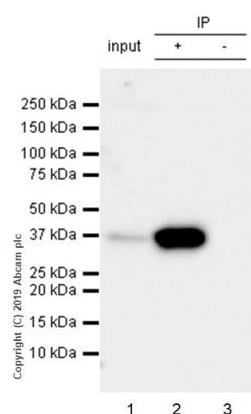
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody was [ab150077](#) AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 (2 µg/ml) dilution.



Immunohistochemistry (Frozen sections) - Anti-DMC1 antibody [EPR23207-130] (ab245217)

Immunohistochemical analysis of 4% PFA fixed 0.2% Triton X-100 permeabilized frozen Mouse testis tissue labeling VSIG4 with ab245217 at 1/100 (6.7 µg/ml) dilution followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 (2 µg/ml) dilution. The nuclear counterstain was DAPI (Blue). Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody was **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 (2 µg/ml) dilution.



Immunoprecipitation - Anti-DMC1 antibody [EPR23207-130] (ab245217)

DMC1 was immunoprecipitated from 0.35 mg Mouse testis lysate 10ug with ab245217 at 1/30 dilution (2ug in 0.35mg lysates).

Western blot was performed on the immunoprecipitate using ab245217 at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/1000 dilution.

Lane 1: Mouse testis lysate 10ug

Lane 2: ab245217 IP in Mouse testis lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab245217 in Mouse testis lysate

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

Exposure time: 30 seconds

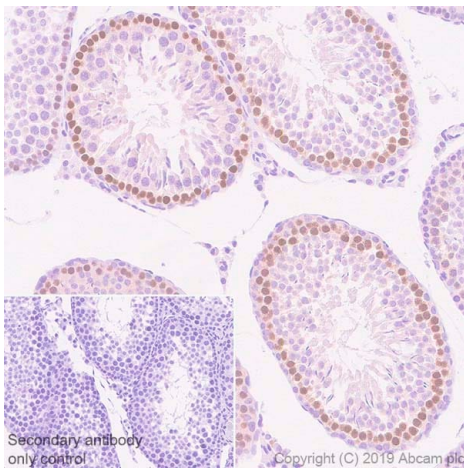


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DMC1 antibody [EPR23207-130] (ab245217)

Immunohistochemical analysis of paraffin-embedded Mouse cerebrum tissue labeling DMC1 with ab245217 at 1/4000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). **Negative control:** No staining on mouse cerebrum. The section was incubated with ab245217 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 citrate buffer (pH 6.0, epitope retrieval solution 1) for 10 mins.

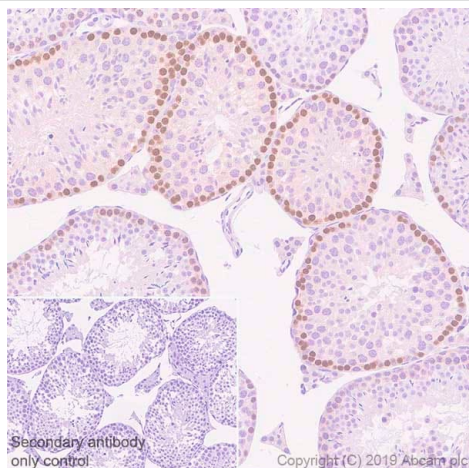


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DMC1 antibody [EPR23207-130] (ab245217)

Immunohistochemical analysis of paraffin-embedded Rat testis tissue labeling DMC1 with ab245217 at 1/4000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Nuclear staining on spermatocytes of rat testis. The section was incubated with ab245217 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 citrate buffer (pH 6.0, epitope retrieval solution 1) for 10 mins.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DMC1 antibody [EPR23207-130] (ab245217)

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The section was incubated with ab245217 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

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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-DMC1 antibody [EPR23207-130] (ab245217)

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