

Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] ab233549

リコンビナント **RabMAb**

★★★★★ **3 Abreviews** 画像数 9

製品の概要

製品名	Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310]
製品の詳細	Rabbit monoclonal [EPR22629-310] to Myelin oligodendrocyte glycoprotein
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB, IHC-Fr, IP
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: Human brain tissue lysate; mouse brain tissue lysate; rat brain tissue lysate. IP: Mouse brain tissue lysate. IHC-P: Human cerebellum tissue; mouse cerebellum tissue; rat cerebellum tissue. IHC-Fr: Mouse cerebellum tissue; rat cerebellum tissue.
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: 40% Glycerol (glycerin, glycerine), 0.05% BSA, PBS</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EPR22629-310
アイソタイプ	IgG

アプリケーション

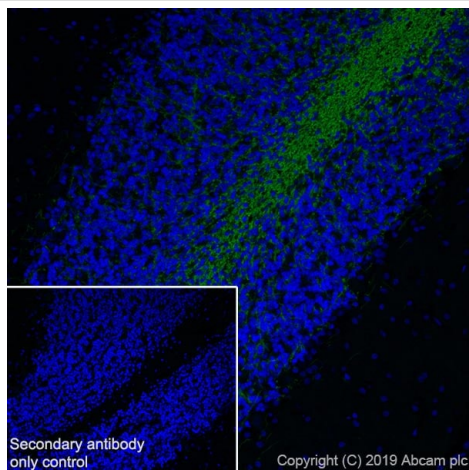
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab233549の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (2)	1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 28 kDa (predicted molecular weight: 28 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.

ターゲット情報

機能	Mediates homophilic cell-cell adhesion (By similarity). Minor component of the myelin sheath. May be involved in completion and/or maintenance of the myelin sheath and in cell-cell communication.
組織特異性	Found exclusively in the CNS, where it is localized on the surface of myelin and oligodendrocyte cytoplasmic membranes.
配列類似性	Belongs to the immunoglobulin superfamily. BTN/MOG family. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
細胞内局在	Cell membrane.

画像

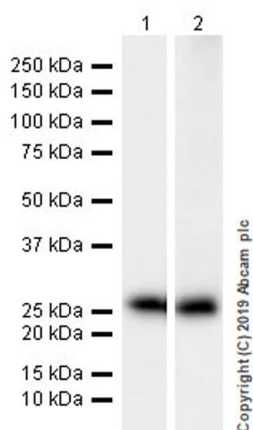


Immunohistochemistry (Frozen sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] (ab233549)

Frozen section of 4% PFA-fixed, 0.2% Triton X-100 permeabilized rat cerebellum tissue labeling Myelin oligodendrocyte glycoprotein with ab233549 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)), at 1/1000 dilution (green). Positive staining on nerve fiber tracts in rat cerebellum (PMID: 26347141) is observed. The nuclear counter stain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)), at 1/1000 dilution.

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



Western blot - Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] (ab233549)

All lanes : Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] (ab233549) at 1/1000 dilution

Lane 1 : Mouse brain tissue lysate

Lane 2 : Rat brain tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

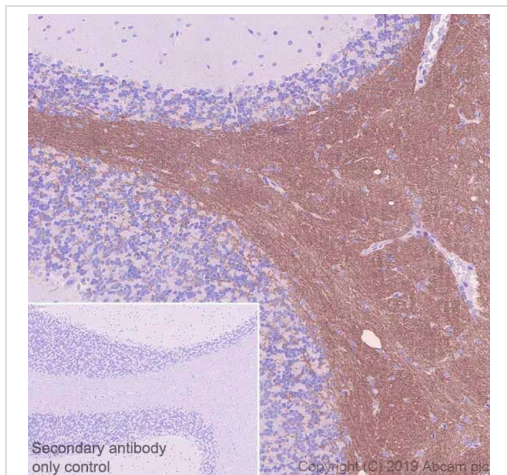
Predicted band size: 28 kDa

Observed band size: 28 kDa

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure times.

Lane 1: 26 seconds; Lane 2: 10 seconds.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] (ab233549)

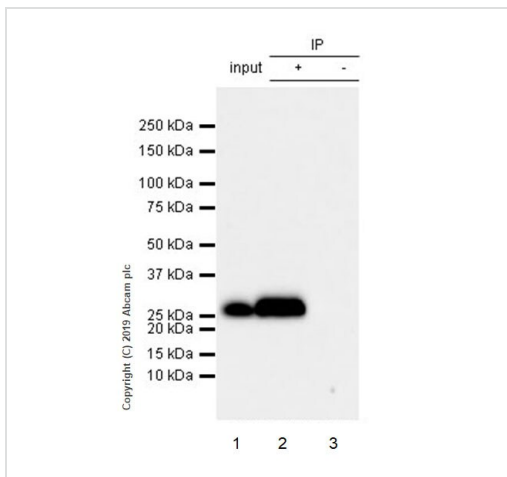
Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue labeling Myelin oligodendrocyte glycoprotein with ab233549 at 1/500 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on white matter of rat cerebellum (PMID: 25421634) is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

The section was incubated with ab233549 for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

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



Immunoprecipitation - Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] (ab233549)

Myelin oligodendrocyte glycoprotein was immunoprecipitated from 0.35 mg of mouse brain tissue lysate whole cell lysate with ab233549 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab233549 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used as secondary antibody at 1/5000 dilution.

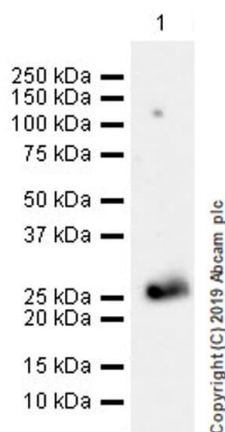
Lane 1: Mouse brain tissue lysate 10 µg (Input).

Lane 2: ab233549 IP in mouse brain tissue lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab233549 in mouse brain tissue lysate.

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

Exposure time: 30 seconds.



Western blot - Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] (ab233549)

Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] (ab233549) at 1/1000 dilution + Human brain tissue lysate at 20 µg

Secondary

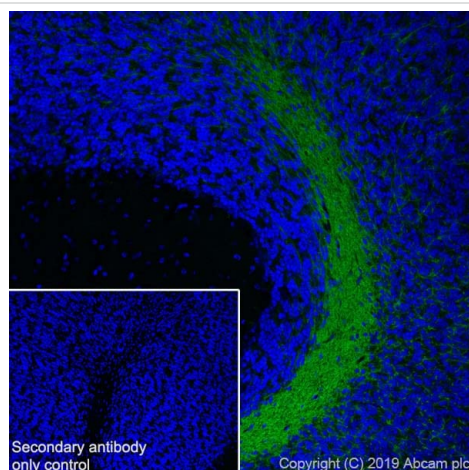
VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at 1/1000 dilution

Predicted band size: 28 kDa

Observed band size: 28 kDa

Exposure time: 3 minutes

Blocking and dilution buffer: 5% NFDM/TBST.

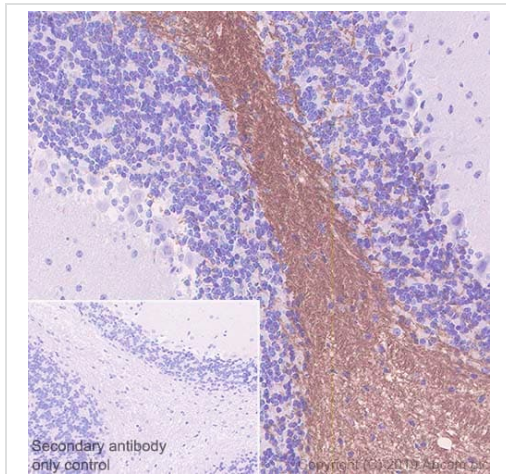


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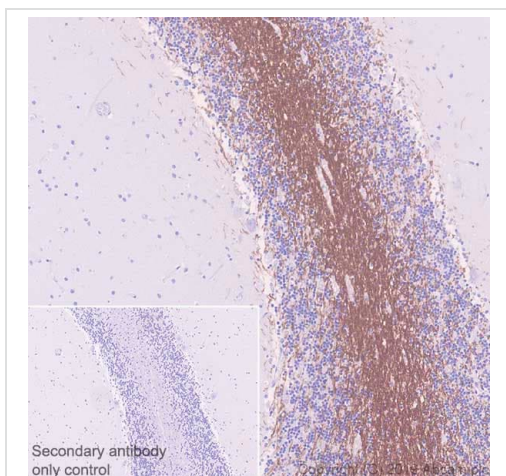
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Why choose a recombinant antibody?



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-Myelin oligodendrocyte glycoprotein antibody
[EPR22629-310] (ab233549)

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