

Anti-GNAO1 antibody [EPR24151-69] ab259884

リコンビナント **RabMAb**

画像数 9

製品の概要

製品名	Anti-GNAO1 antibody [EPR24151-69]
製品の詳細	Rabbit monoclonal [EPR24151-69] to GNAO1
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, IHC-Fr 適用なし: Flow Cyt, ICC/IF or 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 cerebellum, IMR-32, Neuro-2a, NIH/3T3, Mouse brain, cerebellum, hippocampus and rat brain lysates. IHC-P: Human cerebellum, mouse cerebellum, rat cerebellum tissues. IHC-Fr: mouse cerebellum, rat cerebellum tissues.
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	Preservative: 0.01% Sodium azide Constituents: 59.94% 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	EPR24151-69

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ab259884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. Predicted molecular weight: 40 kDa.
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		1/100.

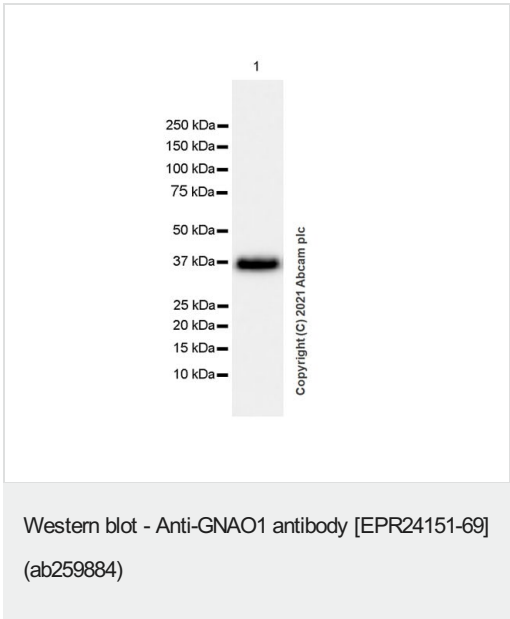
追加情報Is unsuitable for Flow Cyt,ICC/IF or IP.

ターゲット情報

機能Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(o) protein function is not clear. Stimulated by RGS14.

配列類似性Belongs to the G-alpha family. G(i/o/t/z) subfamily.

画像

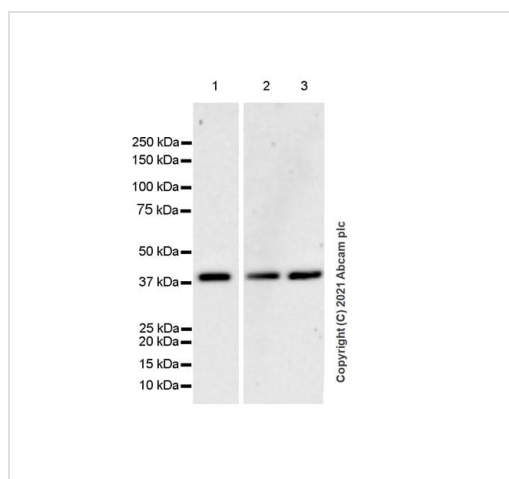


Anti-GNAO1 antibody [EPR24151-69] (ab259884) at 1/1000 dilution + Human cerebellum tissue lysate at 10 µg

Secondary
VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at 1/5000 dilution (VeriBlot for IP secondary antibody(HRP))

Predicted band size: 40 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST
Exposure time: 5.5 seconds



Western blot - Anti-GNAO1 antibody [EPR24151-69]
(ab259884)

All lanes : Anti-GNAO1 antibody [EPR24151-69] (ab259884) at 1/1000 dilution

Lane 1 : IMR-32 (human neuroblastoma neuroblast) whole cell lysate

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

Lane 3 : NIH/3T3 (mouse embryonic fibroblast), whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

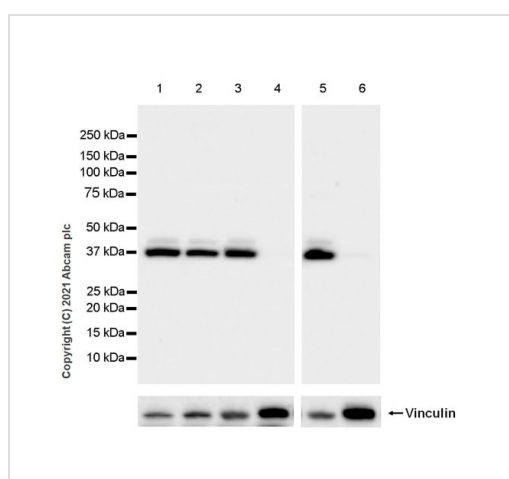
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 40 kDa

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

Samples are non-boiled as boiling may cause protein aggregates.

Exposure time: 3 minutes



Western blot - Anti-GNAO1 antibody [EPR24151-69]
(ab259884)

All lanes : Anti-GNAO1 antibody [EPR24151-69] (ab259884) at 1/1000 dilution

Lane 1 : Mouse brain tissue lysate

Lane 2 : Mouse cerebellum tissue lysate

Lane 3 : Mouse hippocampus tissue lysate

Lane 4 : Mouse heart tissue lysate

Lane 5 : Rat brain tissue lysate

Lane 6 : Rat heart tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 40 kDa

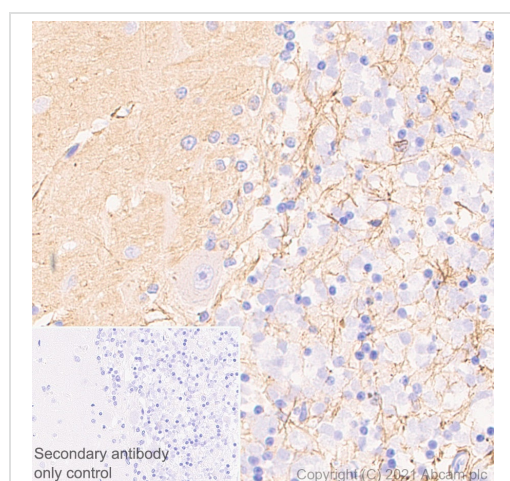
Blocking and diluting buffer and concentration: 5% NFDM/TBST

This blot was developed using a higher sensitivity ECL.

Samples are non-boiled as boiling may cause protein aggregates.

The MW observed is consistent with the literature (PMID: 14519434).

Exposure time: 7.75 seconds

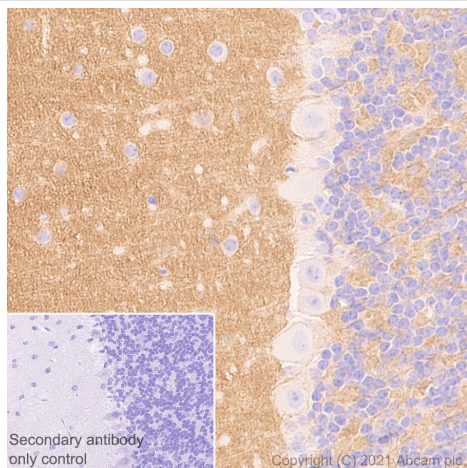


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GNAO1 antibody [EPR24151-69] (ab259884)

Immunohistochemical analysis of paraffin-embedded Human cerebellum tissue labelling GNAO1 with ab259884 at 1/2000 (0.261 ug/ml) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Positive staining on human cerebellum. The section was incubated with ab259884 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 (pH 9.0, epitope retrieval solution2) for 20 mins.

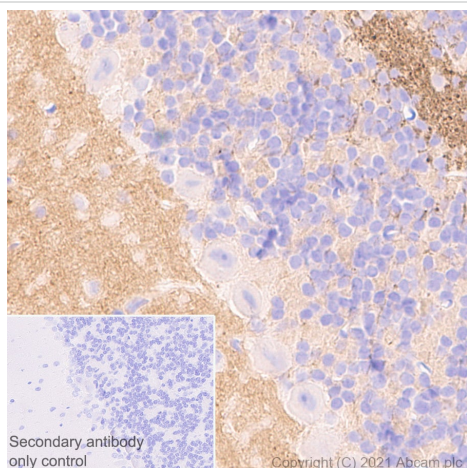


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GNAO1 antibody [EPR24151-69] (ab259884)

Immunohistochemical analysis of paraffin-embedded Mouse cerebellum tissue labelling GNAO1 with ab259884 at 1/5000 (0.104 ug/ml) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on mouse cerebellum. The section was incubated with ab259884 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 (pH 9.0, epitope retrieval solution2) for 20 mins.

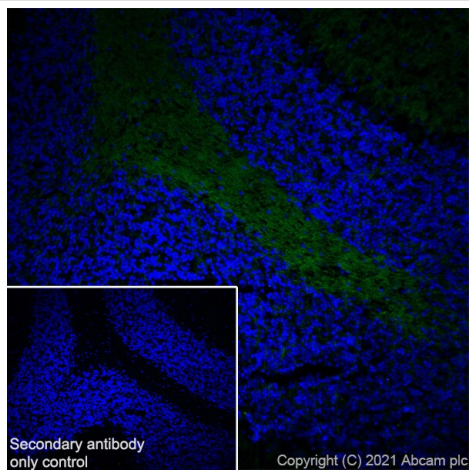


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GNAO1 antibody [EPR24151-69] (ab259884)

Immunohistochemical analysis of paraffin-embedded Rat cerebellum tissue labelling GNAO1 with ab259884 at 1/5000 (0.104 ug/ml) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on rat cerebellum. The section was incubated with ab259884 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 (pH 9.0, epitope retrieval solution2) for 20 mins.

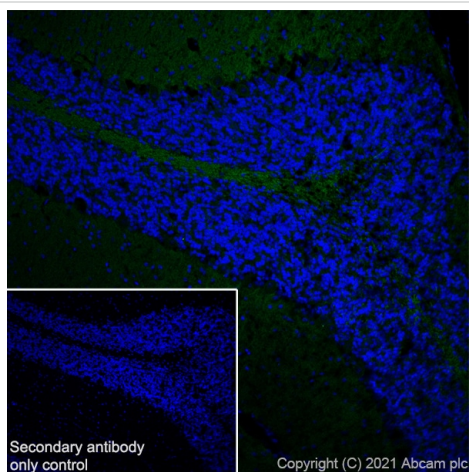


Immunohistochemistry (Frozen sections) - Anti-GNAO1 antibody [EPR24151-69] (ab259884)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse cerebellum tissue labeling GNAO1 with ab259884 at 1/100 (5.22 ug/ml) dilution followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Positive staining on mouse cerebellum is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

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



Immunohistochemistry (Frozen sections) - Anti-GNAO1 antibody [EPR24151-69] (ab259884)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen rat cerebellum tissue labeling GNAO1 with ab259884 at 1/100 (5.22 ug/ml) dilution followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Positive staining on rat cerebellum is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

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

Why choose a recombinant antibody?



Research with confidence
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Confirmed specificity



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Anti-GNAO1 antibody [EPR24151-69] (ab259884)

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