abcam

Product datasheet

Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody [EPR8975] ab150387

リコンビナント   RabMAb

★★★★★ **1 Abreviews**   **8 References**   **画像数** 9

製品の概要

製品名	Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody [EPR8975]
製品の詳細	Rabbit monoclonal [EPR8975] to Metabotropic Glutamate Receptor 2/MGLUR2 + Metabotropic Glutamate Receptor 3/MGLUR3
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P, WB, ICC/IF, Flow Cyt (Intra)
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	ICC/IF: Mouse primary neurone cells
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including:

特記事項 (続き):

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR8975

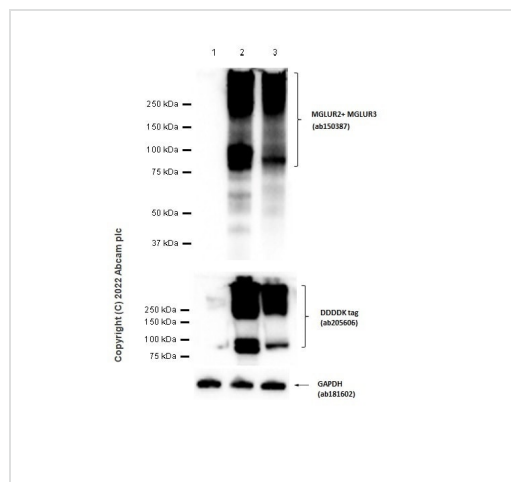| アイソタイプ	IgG

アプリケーション

The Abpromise guarantee　　　<u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab150387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		1/1800. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. For unpurified use at dilution between 1/100 to 1/250
WB	★★★★★ (1)	1/10000 - 1/50000. Predicted molecular weight: 95 kDa.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt (Intra)		1/70.

ターゲット情報

細胞内局在	Metabotropic Glutamate Receptor 2/MGLUR2: Cell membrane. Metabotropic Glutamate Receptor 3/MGLUR3: Cell membrane.

画像

Western blot - Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody [EPR8975] (ab150387)

All lanes : Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody [EPR8975] (ab150387) at 1/10000 dilution

Lane 1 : HEK-293T (Human embryonic kidney epithelial cell) transfected with an empty vector (vector control), containing a myc/flag-tag, not boiled whole cell lysate

Lane 2 : HEK-293T (Human embryonic kidney epithelial cell) transfected with MGLUR2 (aa1-872) with myc/flag-tag, not boiled whole cell lysate

Lane 3 : HEK-293T (Human embryonic kidney epithelial cell) transfected with MGLUR3 (aa1-879) with myc/flag-tag, not boiled whole cell 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: 95 kDa
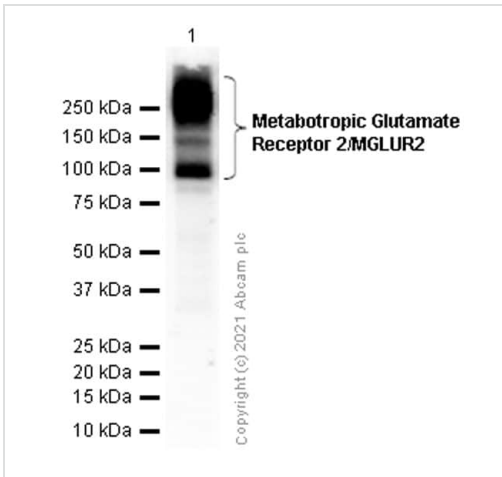**Observed band size:** 250,95 kDa

Exposure time: 3 seconds

Blocking buffer: 5% NFDM/TBST.

Western blot - Anti-Metabotropic Glutamate
Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody
[EPR8975] (ab150387)

Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2 + MGLUR3
antibody [EPR8975] (ab150387) at 1/10000 dilution (Purified) +
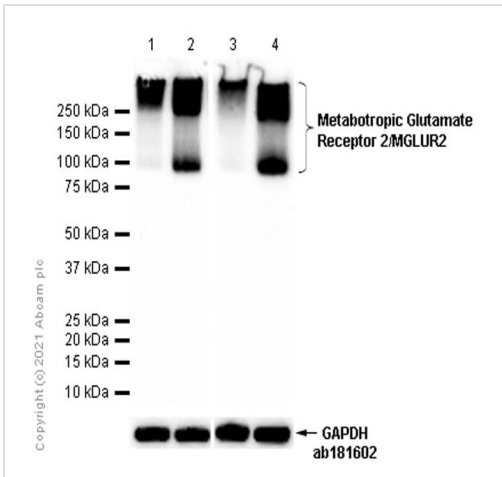Human brain lysate unboiled

Secondary
Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with
human IgG at 1/2000 dilution

Predicted band size: 95 kDa

Western blot - Anti-Metabotropic Glutamate
Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody
[EPR8975] (ab150387)

All lanes : Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2
+ MGLUR3 antibody [EPR8975] (ab150387) at 1/10000 dilution
(Purified)

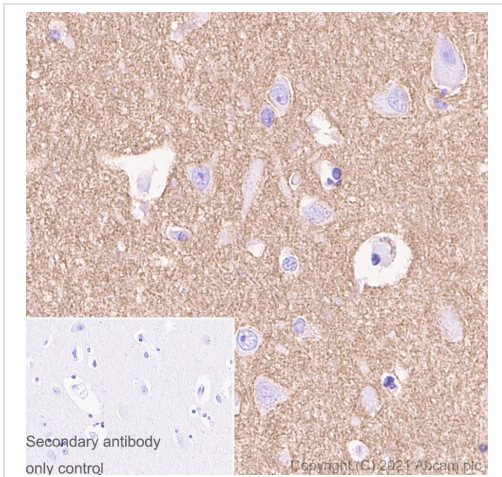**Lane 1 :** Mouse brain lysate boiled
Lane 2 : Mouse brain lysate unboiled
Lane 3 : Rat brain lysate boiled
Lane 4 : Rat brain lysate unboiled
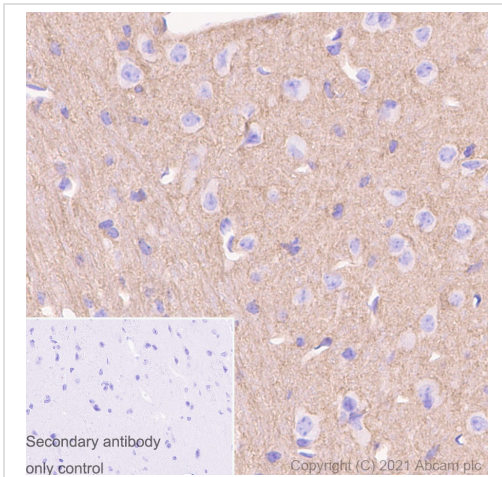
Secondary
All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity
with human IgG at 1/2000 dilution

Predicted band size: 95 kDa

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody [EPR8975] (ab150387)
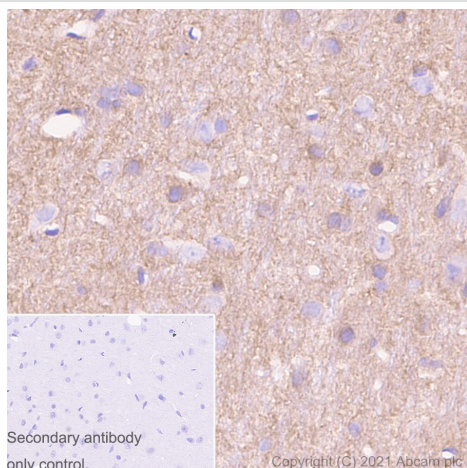
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human cerebrum tissue sections labeling Metabotropic Glutamate Receptor 2/MGLUR2 with Purified ab150387 at 1:1800 (0.36 µg/ml). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody [EPR8975] (ab150387)
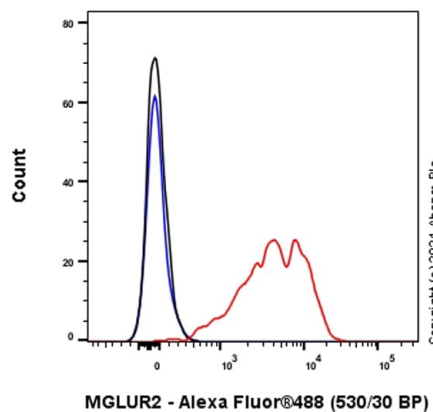
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse cerebrum tissue sections labeling Metabotropic Glutamate Receptor 2/MGLUR2 with Purified ab150387 at 1:1800 (0.36 µg/ml). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody [EPR8975] (ab150387)
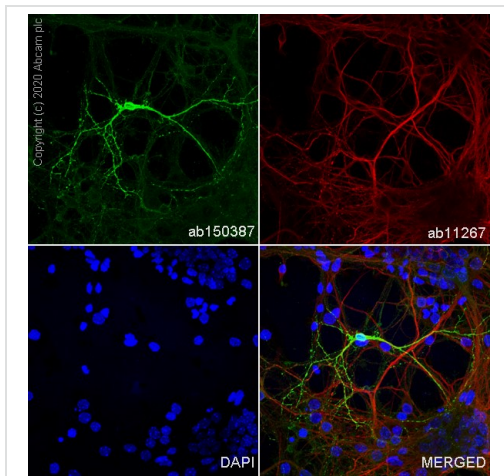
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat cerebrum tissue sections labeling Metabotropic Glutamate Receptor 2/MGLUR2 with Purified ab150387 at 1:1800 (0.36 µg/ml). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.

Flow Cytometry (Intracellular) - Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody [EPR8975] (ab150387)

Flow Cytometry analysis of Mouse primary neuron cells cells labelling Metabotropic Glutamate Receptor 2/MGLUR2 with Purified ab150387 at 1:70 dilution (10 ?g/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150081**) secondary antibody was used at 1:2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabelled control - Cell without incubation with primary antibody and secondary antibody (Blue).

Immunocytochemistry analysis of mouse primary neurone cells labelling MGLUR2 with ab150387 at 2 µg/mL. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150113**) at 1/1000 was used as the secondary antibody (green). Cells were counterstained with Anti-MAP2 rabbit monoclonal antibody (**ab11267**) at 1/500 dilution and Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) (**ab150120**) at 1/1000 dilution (red). Nuclear DNA was labelled with DAPI (blue).

Confocal image showing positive staining in mouse primary neuron cells.

Confocal scanning Z step was set as 0.3 µm followed by image processing with maximum Z projection.

Immunocytochemistry/ Immunofluorescence - Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody [EPR8975] (ab150387)

Anti-Metabotropic Glutamate Receptor 2 + 3 / MGLUR2 + MGLUR3 antibody [EPR8975] (ab150387)

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