

Anti-Gephyrin antibody [EPR12651(B)] ab177154

KO 評価済 リコンビナント RabMAb

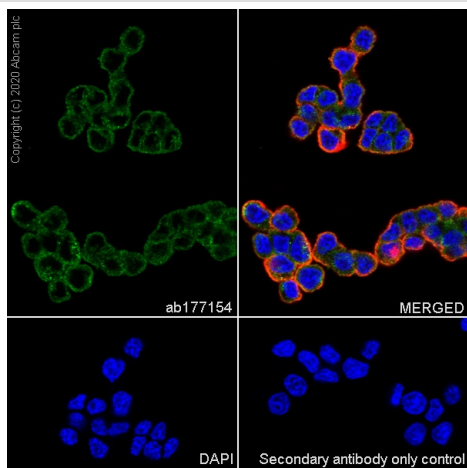
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製品の概要

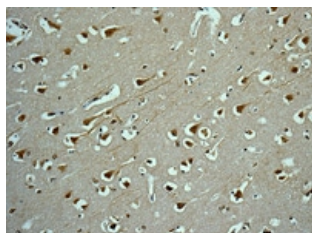
製品名	Anti-Gephyrin antibody [EPR12651(B)]
製品の詳細	Rabbit monoclonal [EPR12651(B)] to Gephyrin
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, Flow Cyt (Intra), ICC/IF 適用なし: IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Human fetal brain, 293T, Jurkat, SH-SY5Y, C6, Raw264.7, MCF-7, U2OS, and PC-12 lysates; IHC-P: Human brain tissue; Flow Cyt (intra): Permeabilized 293T cells; ICC/IF: Jurkat and PC-12 cells.
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

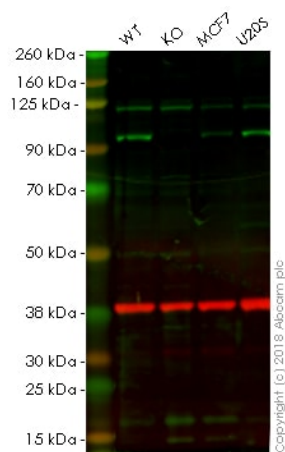
製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル



Immunocytochemistry/ Immunofluorescence - Anti-Gephyrin antibody [EPR12651(B)] (ab177154)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Gephyrin antibody [EPR12651(B)] (ab177154)



Western blot - Anti-Gephyrin antibody [EPR12651(B)] (ab177154)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized PC-12 cells labelling Gephyrin with ab177154 at 1/100 dilution, followed by [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (2 µg/mL) (Green). Confocal image showing cytoplasmic staining in PC-12 cell line. [ab195889](#) Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (2.5 µg/mL) (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: PBS instead of the primary antibody.

Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling Gephyrin with ab177154 at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

All lanes : Anti-Gephyrin antibody [EPR12651(B)] (ab177154) at 1 µg/ml

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : GPHN (Gephyrin) knockout HAP1 whole cell lysate

Lane 3 : MCF7 whole cell lysate

Lane 4 : U2OS whole cell lysate

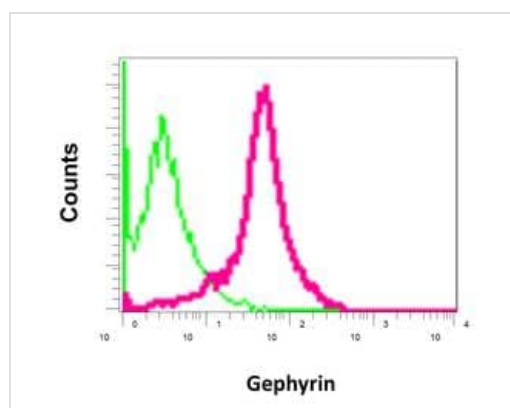
Lysates/proteins at 20 µg per lane.

Predicted band size: 80 kDa

Observed band size: 90 kDa

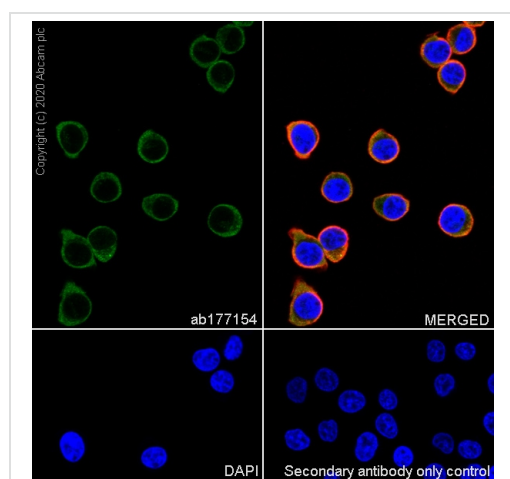
Lanes 1 -4: Merged signal (red and green). Green - ab177154 observed at 90 kDa. Red - loading control, [ab9484](#), observed at 37 kDa.

ab177154 was shown to recognize Gephyrin in wild-type HAP1 cells as signal was lost at the expected MW in GPHN (Gephyrin) knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and GPHN (Gephyrin) knockout samples were subjected to SDS-PAGE. Ab177154 and **ab9484** (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1 µg/ml and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Flow Cytometry (Intracellular) - Anti-Gephyrin antibody [EPR12651(B)] (ab177154)

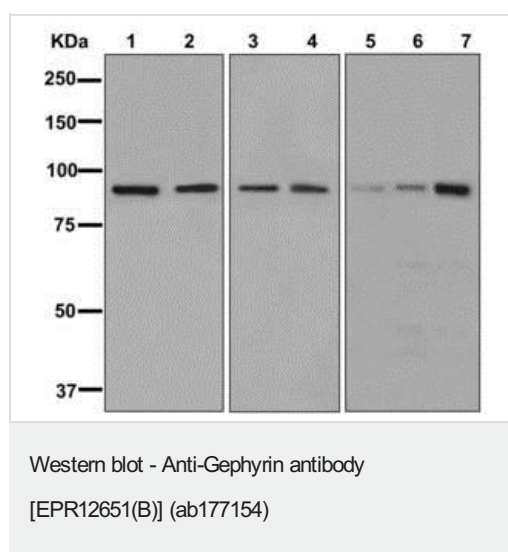
Intracellular flow cytometric analysis of permeabilized 293T cells labeling Gephyrin with ab177154 at 1/10 dilution (red), or a rabbit IgG (negative) (green).



Immunocytochemistry/ Immunofluorescence - Anti-Gephyrin antibody [EPR12651(B)] (ab177154)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized Jurkat cells labelling Gephyrin with ab177154 at 1/100 dilution, followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (2 µg/mL) (Green). Confocal image showing cytoplasmic staining in Jurkat cell line. **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (2.5 µg/mL) (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: PBS instead of the primary antibody.



All lanes : Anti-Gephyrin antibody [EPR12651(B)] (ab177154) at 1/1000 dilution

Lane 1 : Human fetal brain lysate

Lane 2 : 293T lysate

Lane 3 : Jurkat lysate

Lane 4 : SH-SY5Y lysate

Lane 5 : C6 lysate

Lane 6 : Raw264.7 lysate

Lane 7 : PC-12 lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 80 kDa

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-Gephyrin antibody [EPR12651(B)] (ab177154)

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

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