


Anti-TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516) antibody [EPR19140] ab197071

リコンビナント RabMAb[®]

2 References 画像数 5

製品の概要

製品名	Anti-TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516) antibody [EPR19140]
製品の詳細	Rabbit monoclonal [EPR19140] to TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516)
由来種	Rabbit
アプリケーション	適用あり: Dot blot, WB
種交差性	交差種: Rat, Human 交差が予測される動物種: Mouse 
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: HEK-293 whole cell lysate transfected with TrkB (wild type) with Myc-tag; HEK-293 whole cell lysate transfected with TrkB (wild type) with Myc-tag starved for 4 hours, then treated with 50 ng/ml BDNF for 10 minutes; PC-12 treated with 100 ng/mL NGF (ab9796) for 5 minutes, whole cell lysate.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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. 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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% 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	EPR19140
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ab197071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。

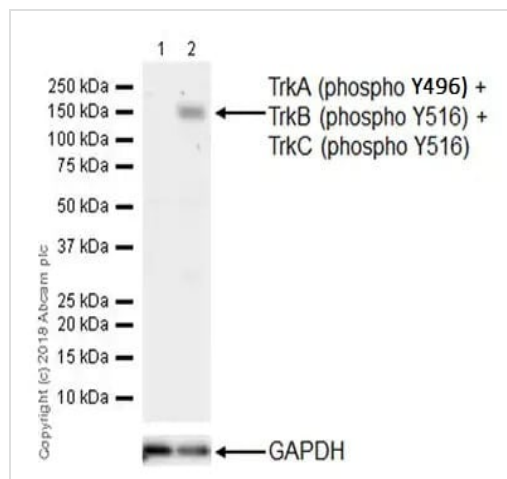
アプリケーション	Abreviews	特記事項
Dot blot		1/1000.
WB		1/2000. Detects a band of approximately 140 kDa (predicted molecular weight: 92 kDa).

ターゲット情報

細胞内局在

TrkA: Cell membrane. Early endosome membrane. Late endosome membrane. Internalized to endosomes upon binding of NGF or NTF3 and further transported to the cell body via a retrograde axonal transport. Localized at cell membrane and early endosomes before nerve growth factor (NGF) stimulation. Recruited to late endosomes after NGF stimulation. Colocalized with RAPGEF2 at late endosomes (By similarity). TrkB: Membrane. TrkC: Membrane.

画像



Western blot - Anti-TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516) antibody [EPR19140] (ab197071)

All lanes : Anti-TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516) antibody [EPR19140] (ab197071) at 1/1000 dilution

Lane 1 : Untreated PC-12 (rat adrenal gland pheochromocytoma) whole cell lysate

Lane 2 : PC-12 treated with 100 ng/mL NGF ([ab9796](#)) for 5 minutes, whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

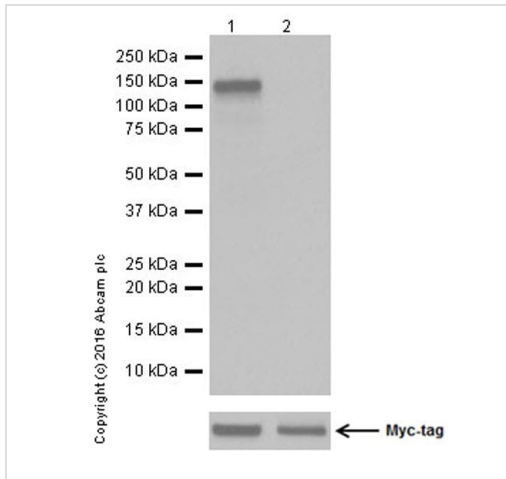
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 92 kDa

Observed band size: 140 kDa

Exposure time: 3 minutes

Blocking and dilution buffer: 5% NFDm/TBST.



Western blot - Anti-TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516) antibody [EPR19140] (ab197071)

All lanes : Anti-TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516) antibody [EPR19140] (ab197071) at 1/10000 dilution

Lane 1 : HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate transfected with TrkB (wild type) with Myc-tag

Lane 2 : HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate transfected with TrkB (phospho Y516A mutant) with Myc-tag

Lysates/proteins at 20 µg per lane.

Secondary

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

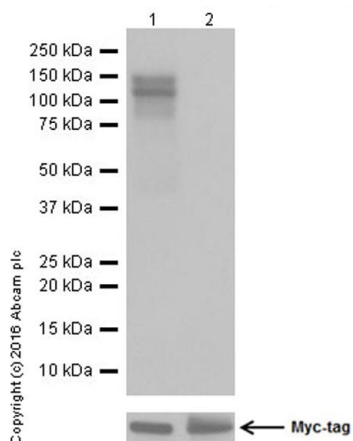
Predicted band size: 92 kDa

Observed band size: 140 kDa

Exposure time: 10 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.

The observed MW is higher than the predicted one due to the glycosylation. The expression pattern is consistent with the published papers. (PMID: 23115189 and 20064930).



Western blot - Anti-TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516) antibody [EPR19140] (ab197071)

All lanes : Anti-TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516) antibody [EPR19140] (ab197071) at 1/2000 dilution

Lane 1 : HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate transfected with TrkB (wild type) with Myc-tag starved for 4 hours, then treated with 50 ng/ml BDNF for 10 minutes

Lane 2 : HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate transfected with TrkB (wild type) with Myc-tag starved for 4 hours

Lysates/proteins at 20 µg per lane.

Secondary

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

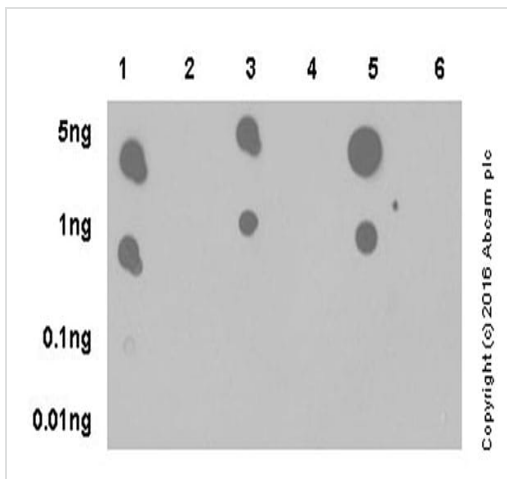
Predicted band size: 92 kDa

Observed band size: 140 kDa

Exposure time: 3 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

The observed MW is higher than the predicted one due to the glycosylation. The expression pattern is consistent with the published papers. (PMID: 23115189 and 20064930).



Dot Blot - Anti-TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516) antibody [EPR19140] (ab197071)

Dot blot analysis of TrkA (phospho Y496), TrkB (phospho Y516), and TrkC (phospho Y516) peptides labeled with ab197071 at 1/1000 dilution.

- Lane 1: TrkB (phospho Y516) phospho peptide;
- Lane 2: TrkB Non-phospho peptide;
- Lane 3: TrkA (phospho Y496) phospho peptide;
- Lane 4: TrkA Non-phospho peptide;
- Lane 5: TrkC (phospho Y516) phospho peptide;
- Lane 6: TrkC Non-phospho peptide.





Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/100000 dilution was used as secondary antibody.

Blocking and diluting buffer: 5% NFD/MTBST.

Exposure time: 3 minutes.

Note: ab197071 reacts with TrkB (phospho Y516)/ TrkA (phospho Y496)/ TrkC (phospho Y516) according to the dot blot data.

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-TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516) antibody [EPR19140] (ab197071)

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

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