

Anti-TrkB (phospho Y706) antibody [EPR19399] ab197072

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **3 References** 画像数 3

製品の概要

製品名	Anti-TrkB (phospho Y706) antibody [EPR19399]
製品の詳細	Rabbit monoclonal [EPR19399] to TrkB (phospho Y706)
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: 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: 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
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: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR19399

アプリケーション

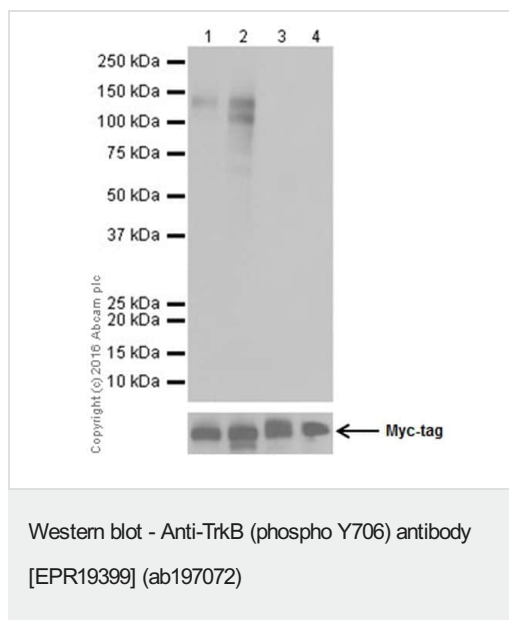
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab197072の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

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

ターゲット情報

機能	Receptor for brain-derived neurotrophic factor (BDNF), neurotrophin-3 and neurotrophin-4/5 but not nerve growth factor (NGF). Involved in the development and/or maintenance of the nervous system. This is a tyrosine-protein kinase receptor. Known substrates for the TRK receptors are SHC1, PI-3 kinase, and PLC-gamma-1.
組織特異性	Isoform TrkB is widely expressed, mainly in the nervous tissue. In the CNS, expression is observed in the cerebral cortex, hippocampus, thalamus, choroid plexus, granular layer of the cerebellum, brain stem, and spinal cord. In the peripheral nervous system, it is expressed in many cranial ganglia, the opthalmic nerve, the vestibular system, multiple facial structures, the submaxillary glands, and dorsal root ganglia. Isoform TrkB-T1 is expressed in multiple tissues, mainly in brain, pancreas, kidney and heart. Isoform TrkB-T-Shc is predominantly expressed in brain.
配列類似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 2 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 LRRNT domain. Contains 1 protein kinase domain.
翻訳後修飾	Ligand-mediated auto-phosphorylation.
細胞内局在	Membrane.

画像



All lanes : Anti-TrkB (phospho Y706) antibody [EPR19399] (ab197072) at 1/1000 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 (wild type) with Myc-tag starved for 4 hours, then treated with 50 ng/ml BDNF for 10 minutes

Lane 3 : HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate transfected with TrkB (phospho Y706A mutant) with Myc-tag

Lane 4 : HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate transfected with TrkB (phospho Y706A mutant) with Myc-tag starved for 4 hours, then treated with 50 ng/ml BDNF for 10 minutes

Lysates/proteins at 20 µg per lane.

Secondary

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

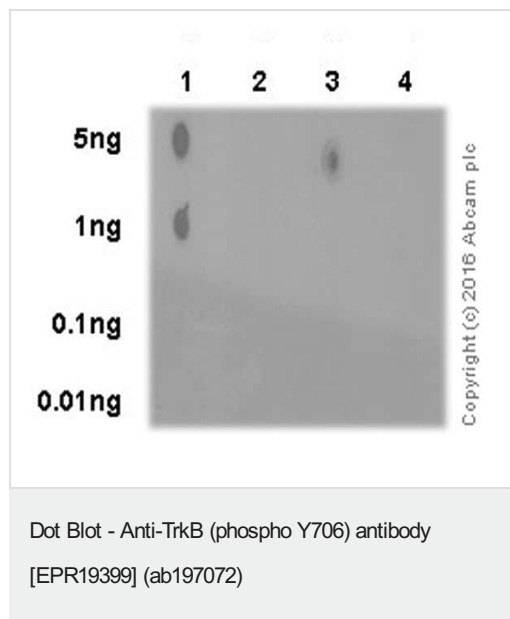
Predicted band size: 92 kDa

Observed band size: 140 kDa

Exposure time: 1 second

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 analysis of TrkB (phospho Y706) labeled with ab197072 at 1/1000 dilution.

Lane 1: TrkB (phospho Y706) phospho peptide;

Lane 2: TrkB Non-phospho peptide;

Lane 3: TrkA (phospho Y680) phospho peptide;

Lane 4: TrkA 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% NFDM/TBST.

Exposure time: 3 minutes.

Note: ab197072 has weak cross reactivity with TrkA (phospho Y680) 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-TrkB (phospho Y706) antibody [EPR19399] (ab197072)

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