

Anti-Pan Trk antibody [EPR17341-4] ab246551

重组 RabMAb

9 图像

概述

产品名称	Anti-Pan Trk抗体[EPR17341-4]
描述	兔单克隆抗体[EPR17341-4] to Pan Trk
宿主	Rabbit
经测试应用	适用于: IP, WB, IHC-P 不适用于: Flow Cyt or ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human hippocampus and fetal brain lysates; rat brain lysate; mouse brain lysate. IP: Human fetal brain lysate. IHC-P: Human, mouse and rat cerebral cortex tissues, Human astrocytoma
常规说明	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 .

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR17341-4

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab246551于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP		1/30.
WB		1/1000. Predicted molecular weight: 92 kDa.
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

应用说明

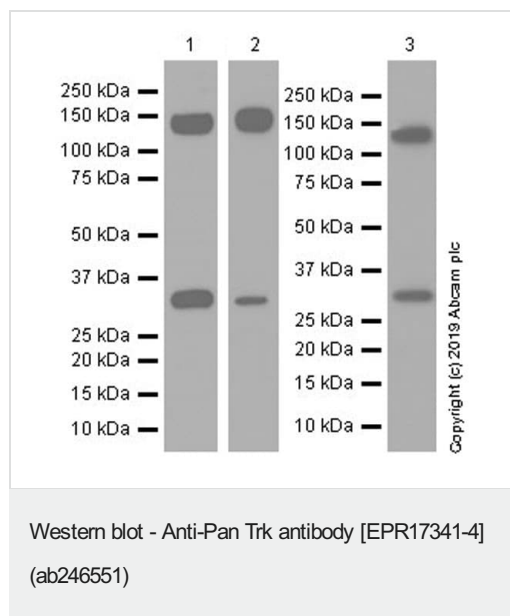
Is unsuitable for Flow Cyt or ICC/IF.

靶标

相关性

Family of neurotrophic tyrosine kinase (NTRK1/2/3) genes which encode TrkA, TrkB and TrkC protein kinases. The three family members are activated by different neurotrophins: TrkA is activated by Nerve growth factor (NGF), TrkB by Brain-derived neurotrophic factor (BDNF) or neurotrophin-4 (NT-4) and TrkC by NT-3. Neurotrophin signalling activates cellular pathways involved in the development and the maturation of the central and peripheral nervous systems through regulation of proliferation, differentiation and survival of sympathetic and nervous neurons. Localization TrkA: Cell membrane. Early endosome membrane. Late endosome membrane. Internalized to endosomes upon binding of NGF or NT-3 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.

图片



All lanes : Anti-Pan Trk antibody [EPR17341-4] (ab246551) at 1/1000 dilution

Lane 1 : Rat brain lysate

Lane 2 : Human hippocampus lysate

Lane 3 : Mouse brain 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

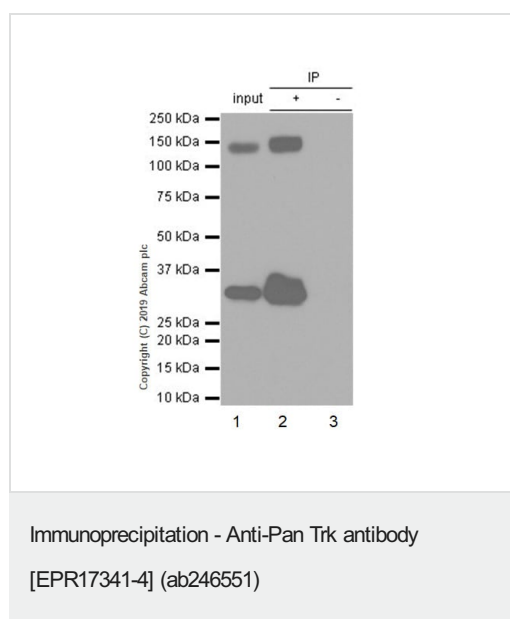
Observed band size: 140,30 kDa

Exposure time: 3 minutes

Exposure time : Lanes 1 and 2: 3 minutes; Lane 3: 3 seconds.

Blocking and dilution buffer: 5% NFDM/TBST.

The 30kDa band is an intracellular fragment TrkB-ICD, and the 140KDa observed MW is due to the glycosylation modification (PMID: 24860020).



Pan Trk was immunoprecipitated from 0.35 mg of human fetal brain lysate with ab246551 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab246551 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10,000 dilution.

Lane 1: Human fetal brain lysate 10 µg (Input).

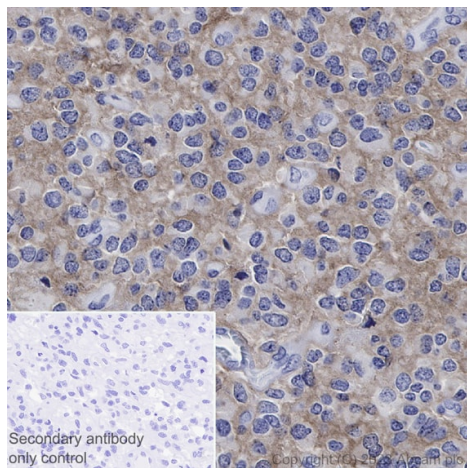
Lane 2: ab246551 IP in human fetal brain lysate (+).

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab246551 in human fetal brain lysate (-).

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 10 seconds.

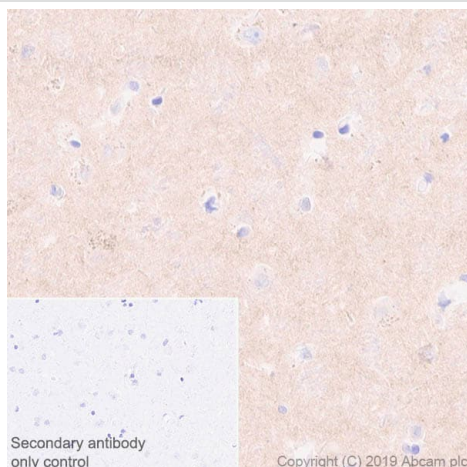
The 30kDa band is an intracellular fragment TrkB-ICD, and the 140KDa observed MW is due to the glycosylation modification (PMID: 24860020).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pan Trk antibody [EPR17341-4] (ab246551)

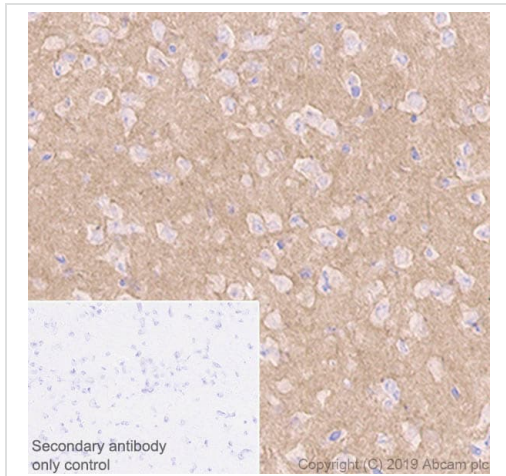
Immunohistochemical analysis of paraffin-embedded Human astrocytoma labelling Pan Trk with ab246551 at 1/500 dilution, followed by a Goat Anti-Rabbit IgG H&L (HRP polymer) ready to use ([ab214880](#)).

Positive staining on human astrocytoma is observed. Counter stained with hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a Goat Anti-Rabbit IgG H&L (HRP polymer) ready to use. Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pan Trk antibody [EPR17341-4] (ab246551)

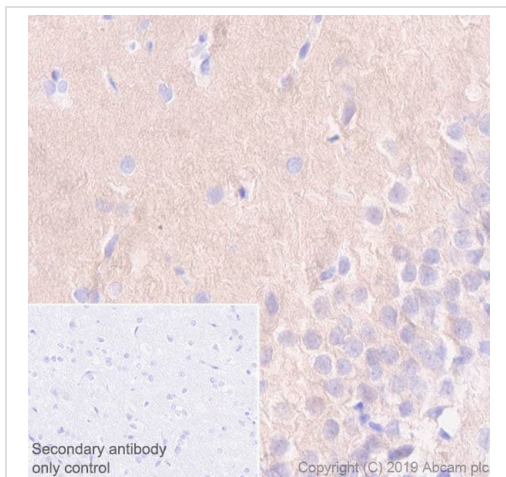
Immunohistochemical analysis of paraffin-embedded human cerebral cortex tissue labeling Pan Trk with ab246551 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ready to use. Cytoplasmic staining in neuron of human cerebral cortex (PMID: 7936202) is observed. Counter stained with hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use. Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pan Trk antibody [EPR17341-4] (ab246551)

Immunohistochemical analysis of paraffin-embedded mouse cerebral cortex tissue labeling Pan Trk with ab246551 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ready to use. Cytoplasmic staining in neuron of mouse cerebral cortex (PMID: 2171894) is observed. Counter stained with hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use.

Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

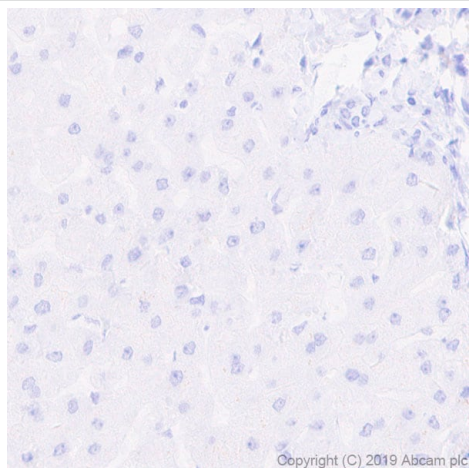


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pan Trk antibody [EPR17341-4] (ab246551)

Immunohistochemical analysis of paraffin-embedded rat cerebral cortex tissue labeling Pan Trk with ab246551 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ready to use. Cytoplasmic staining in neuron of rat cerebral cortex is observed. Counter stained with hematoxylin.

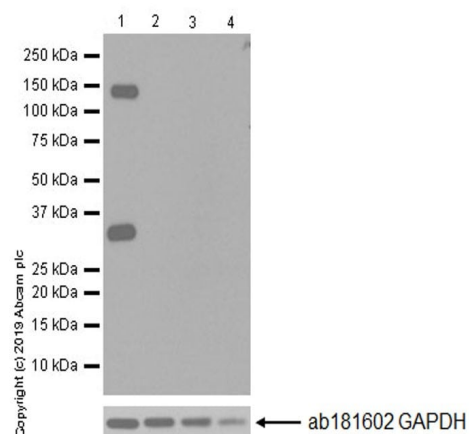
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use.

Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pan Trk antibody [EPR17341-4] (ab246551)

Immunohistochemical analysis of paraffin-embedded human liver tissue labeling Pan Trk with ab246551 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ready to use. **Negative** staining is observed in normal human liver. Counterstained with hematoxylin. Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).



Western blot - Anti-Pan Trk antibody [EPR17341-4] (ab246551)

All lanes : Anti-Pan Trk antibody [EPR17341-4] (ab246551) at 1/1000 dilution

Lane 1 : Human fetal brain lysate

Lane 2 : Human fetal heart lysate

Lane 3 : Human fetal kidney lysate

Lane 4 : Human fetal spleen lysate

Lysates/proteins at 10 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: 140,30 kDa

Exposure time: 3 minutes

Blocking and dilution buffer: 5% NFDM/TBST.

The 30kDa band is an intracellular fragment TrkB-ICD, and the 140KDa observed MW is due to the glycosylation modification (PMID: 24860020).

Negative control: human fetal heart, human fetal kidney, human fetal spleen.

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-Pan Trk antibody [EPR17341-4] (ab246551)

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

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