

Anti-TrkB antibody [EPR1294] ab134155

重组 RabMAb

★★★★★ [1 Abreviews](#) [4 References](#) [6 图像](#)

概述

产品名称	Anti-TrkB抗体[EPR1294]
描述	兔单克隆抗体[EPR1294] to TrkB
宿主	Rabbit
经测试应用	适用于: WB, IP, IHC-P 不适用于: Flow Cyt or ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as ab195463)
阳性对照	Fetal brain, Human hippocampus and Human cerebellum lysates; Human brain tissue
常规说明	Mouse, Rat: Internal testing data in Western Blot indicate that this antibody is not suitable for these species. This product is a recombinant monoclonal antibody, which offers several advantages including: - 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 -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified

克隆	单克隆
克隆编号	EPR1294
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab134155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
WB		1/1000 - 1/10000. Predicted molecular weight: 92 kDa.Can be blocked with Human TrkB peptide (ab195463) .
IP		1/10 - 1/100.
IHC-P	★★★★★ (1)	1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

应用说明 Is unsuitable for Flow Cyt or ICC/IF.

靶标

功能 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.

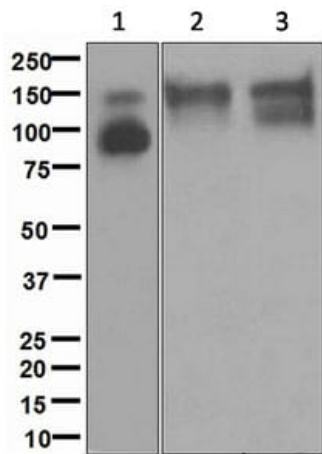
组织特异性 Isoform TrkB is widely expressed, mainly in the nervous tissue. In the CNS, expression is observed in the cerebral cortex, hippocampus, thalamus, choroid plexus, granular layer of the cerebellum, brain stem, and spinal cord. In the peripheral nervous system, it is expressed in many cranial ganglia, 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.

序列相似性 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.

翻译后修饰 Ligand-mediated auto-phosphorylation.

细胞定位 Membrane.

图片



Western blot - Anti-TrkB antibody [EPR1294]
(ab134155)

All lanes : Anti-TrkB antibody [EPR1294] (ab134155) at 1/1000 dilution

Lane 1 : Fetal brain tissue lysate

Lane 2 : Human hippocampus tissue lysate

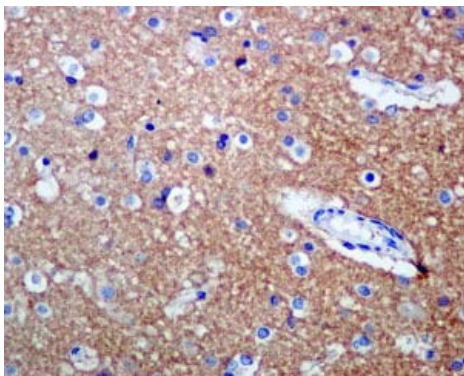
Lane 3 : Human cerebellum tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

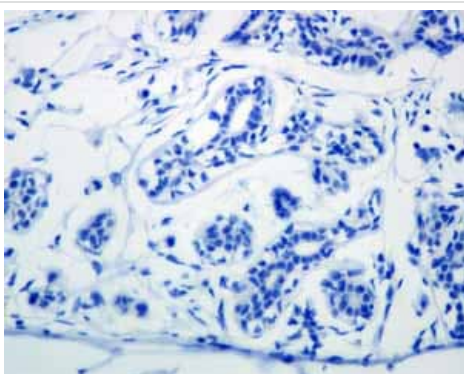
Predicted band size: 92 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TrkB antibody [EPR1294]
(ab134155)

Immunohistochemical analysis of paraffin-embedded Human brain tissue labelled with ab134155 at 1/100 dilution.

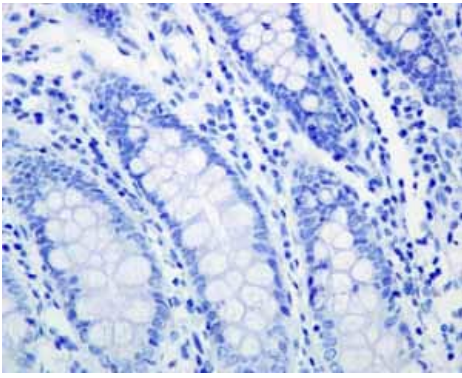
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TrkB antibody [EPR1294]
(ab134155)

Immunohistochemical analysis of paraffin embedded normal Human breast tissue using ab134155 showing -ve staining.

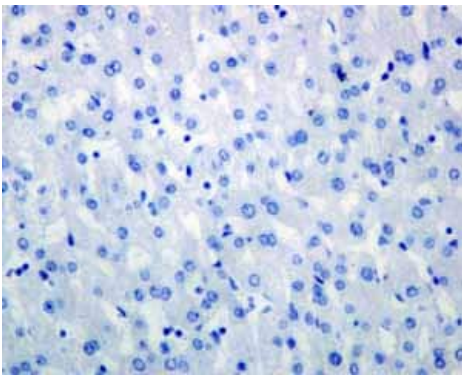
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemical analysis of paraffin embedded normal Human colon tissue using ab134155 showing -ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TrkB antibody [EPR1294] (ab134155)



Immunohistochemical analysis of paraffin embedded normal Human liver tissue using ab134155 showing -ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TrkB antibody [EPR1294] (ab134155)

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 antibody [EPR1294] (ab134155)

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