


Product datasheet

Anti-TrkA + TrkB antibody [EPR1104(2)] ab109010

Recombinant RabMAb

★★★★★ [2 Abreviews](#) [1 References](#) [8 Images](#)

Overview

Product name	Anti-TrkA + TrkB antibody [EPR1104(2)]
Description	Rabbit monoclonal [EPR1104(2)] to TrkA + TrkB
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal brain and SH SY5Y lysates; Human brain tissue.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.31% Sodium citrate, 0.175% Sodium chloride, 0.0172% EDTA, 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR1104(2)

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab109010 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

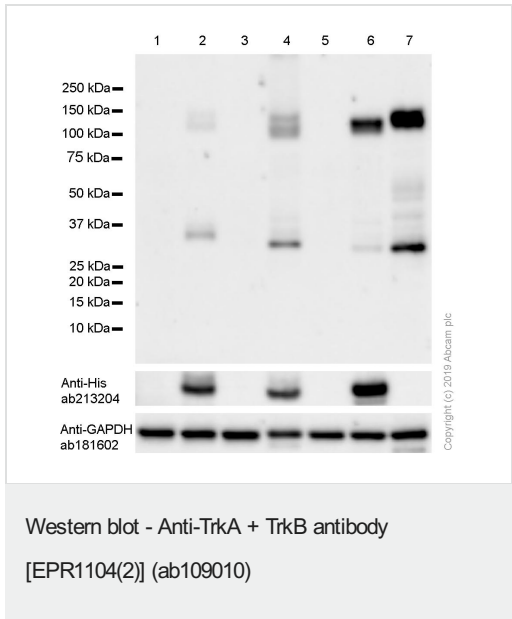
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 87 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Heat up to 98 degrees C, below boiling, and then let cool for 10-20 min.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

Target

Cellular localization 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.

Images



All lanes : Anti-TrkA + TrkB antibody [EPR1104(2)] (ab109010) at 1.118 µg/ml (purified)

- Lanes 1 & 3 & 5 :** Empty vector overexpression 293T cell lysates
- Lane 2 :** His-Human TrkC overexpression 293T cell lysates
- Lane 4 :** His-Human TrkA overexpression 293T cell lysates
- Lane 6 :** His-Human TrkB overexpression 293T cell lysates
- Lane 7 :** Human brain lysate

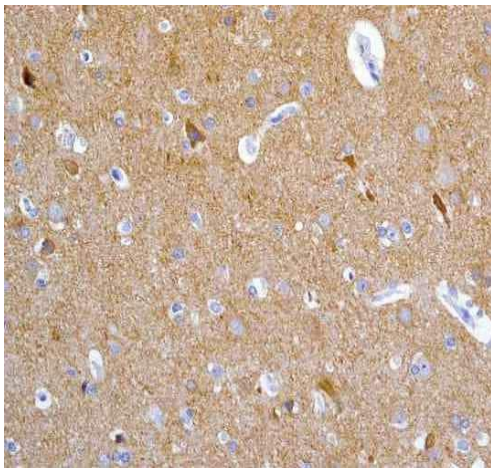
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 0.05 µg/ml

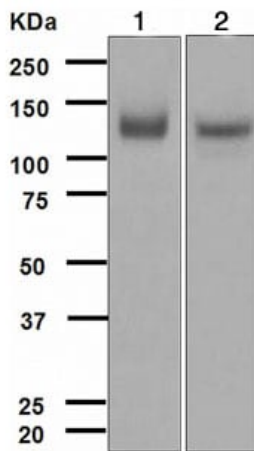
Predicted band size: 87 kDa
Observed band size: 120 kDa

Blocking/Diluting Buffer and concentration: 5% NFDM /TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TrkA + TrkB antibody [EPR1104(2)] (ab109010)

ab109010 at 1/250 dilution staining TrkA + TrkB in Human brain by Immunohistochemistry, Paraffin-embedded tissue. Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Western blot - Anti-TrkA + TrkB antibody [EPR1104(2)] (ab109010)

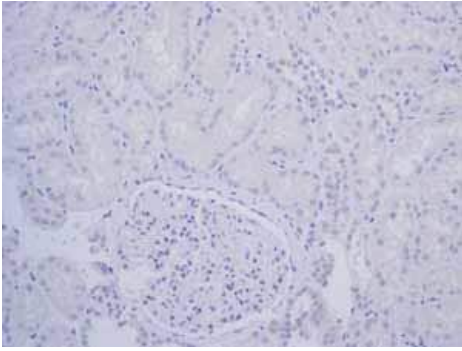
All lanes : Anti-TrkA + TrkB antibody [EPR1104(2)] (ab109010) at 1/1000 dilution

Lane 1 : Human fetal brain tissue lysate

Lane 2 : SH-SY5Y cell lysate

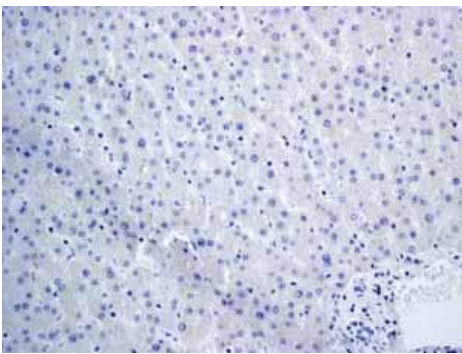
Lysates/proteins at 10 µg per lane.

Predicted band size: 87 kDa



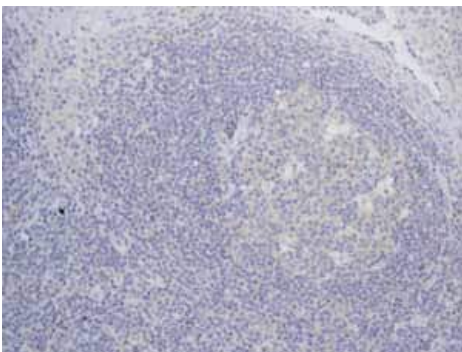
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TrkA + TrkB antibody [EPR1104(2)] (ab109010)

ab109010 showing negative staining in Normal human kidney tissue. Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



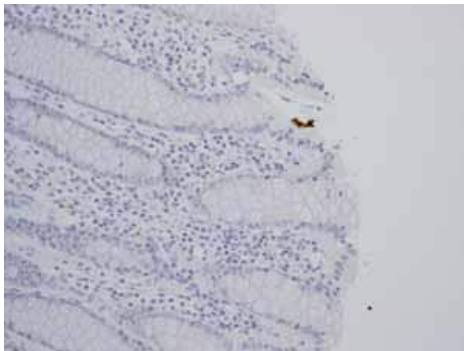
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TrkA + TrkB antibody [EPR1104(2)] (ab109010)

ab109010 showing negative staining in Normal human liver tissue. Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TrkA + TrkB antibody [EPR1104(2)] (ab109010)

ab109010 showing negative staining in Normal human tonsil tissue. Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



ab109010 showing negative staining in Normal human colon tissue.
Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TrkA + TrkB antibody [EPR1104(2)] (ab109010)

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 + TrkB antibody [EPR1104(2)] (ab109010)

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

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