

Product datasheet

Anti-PTP zeta/ Phosphacan antibody ab126497

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Overview

Product name	Anti-PTP zeta/ Phosphacan antibody
Description	Rabbit polyclonal to PTP zeta/ Phosphacan
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	antigen sequence: LFRHLHTVSQ ILPQVTSATE SDKVPLHASL PVAGGDLLLE PSLAQYSDVL STTHAASETL EFGSESGVLY KTLMF SQVEP PSSDAMMHAR SSGPEPSYAL SDNEGSQHIF TVSYSSAIPV HDSVGVTYQG SLFSGPSHIP IPKSSLIT corresponding to internal amino acids 831-978 of Human PTP zeta/ Phosphacan.

 [Run BLAST with ExPASy](#)  [Run BLAST with NCBI](#)

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab126497 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		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 255 kDa.
ICC/IF		Use a concentration of 1 - 4 µg/ml. Recommend PFA Fixation and Triton X-100 treatment
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

May be involved in the regulation of specific developmental processes in the CNS.

Tissue specificity

Specifically expressed in the central nervous system, where it is localized in the Purkinje cell layer of the cerebellum, the dentate gyrus, and the subependymal layer of the anterior horn of the lateral ventricle. Developmentally regulated in the brain.

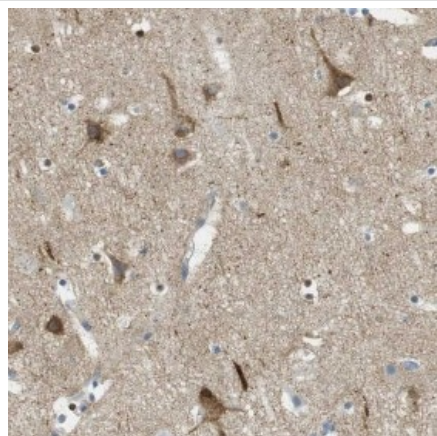
Sequence similarities

Belongs to the protein-tyrosine phosphatase family. Receptor class 5 subfamily.
Contains 1 alpha-carbonic anhydrase domain.
Contains 1 fibronectin type-III domain.
Contains 2 tyrosine-protein phosphatase domains.

Cellular localization

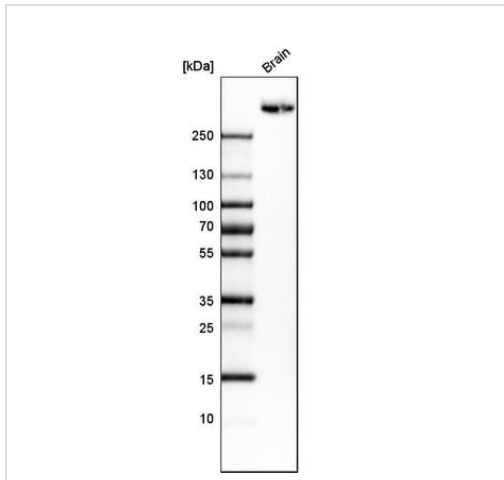
Membrane.

Images



ab126497 at 1/50 dilution staining PTP zeta/ Phosphacan in paraffin-embedded Human cerebral cortex tissue by Immunohistochemistry.

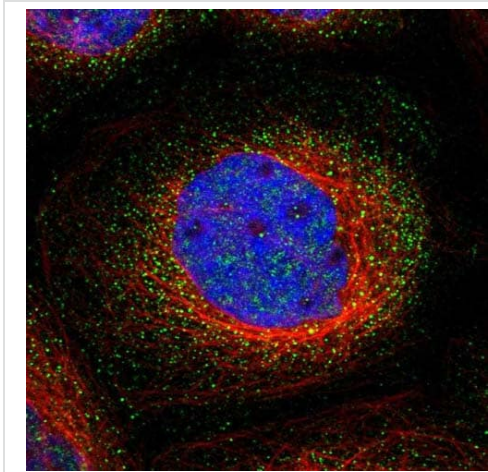
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PTP zeta/ Phosphacan antibody (ab126497)



Western blot - Anti-PTP zeta/ Phosphacan antibody (ab126497)

Anti-PTP zeta/ Phosphacan antibody (ab126497) + Human brain tissue

Predicted band size: 255 kDa



Immunocytochemistry/ Immunofluorescence - Anti-PTP zeta/ Phosphacan antibody (ab126497)

Immunofluorescent staining of Human cell line A-431 shows positivity in vesicles. Recommended concentration of ab126497 1-4 µg/ml. Cells treated with PFA/Triton X-100.

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

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