


Product datasheet

Anti-TECPR1 antibody - N-terminal ab229625

1 Image

Overview

Product name	Anti-TECPR1 antibody - N-terminal
Description	Rabbit polyclonal to TECPR1 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse Predicted to work with: Rat, Human 
Immunogen	Recombinant fragment within Human TECPR1 (N terminal). The exact sequence is proprietary. Database link: Q7Z6L1
Positive control	WB: C2C12 whole cell extract; mouse brain tissue extract.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab229625** in the following tested applications.

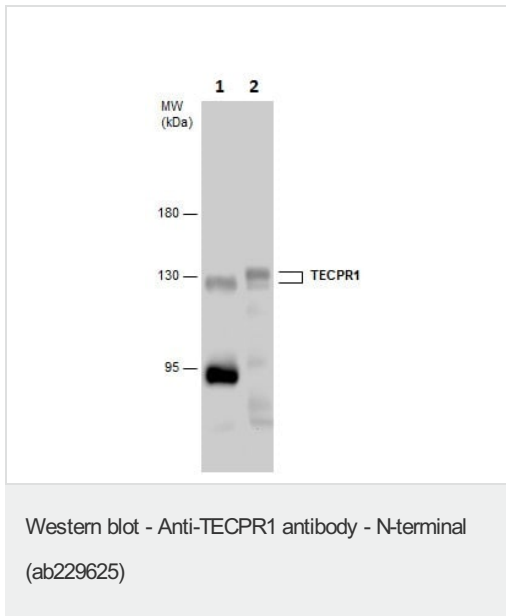
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 130 kDa.

Target

Function	Tethering factor involved in autophagy. Involved in autophagosome maturation by promoting the autophagosome fusion with lysosomes: acts by associating with both the ATG5-ATG12 conjugate and phosphatidylinositol-3-phosphate (PtdIns(3)P) present at the surface of autophagosomes. Also involved in selective autophagy against bacterial pathogens, by being required for phagophore/preautophagosomal structure biogenesis and maturation.
Sequence similarities	Belongs to the TECPR1 family. Contains 1 PH domain. Contains 9 TECPR repeats.
Domain	The PH domain mediates the binding to phosphatidylinositol-3-phosphate (PtdIns(3)P). While full-length protein is unable to bind PtdIns(3)P in vitro, it is assumed that the binding to the ATG5-ATG12 conjugate exposes the PH domain, allowing the association with PtdIns(3)P (PubMed:22342342).
Cellular localization	Cytoplasmic vesicle > autophagosome membrane. Lysosome membrane. Localizes to Lysosome membranes, and binds PtdIns(3)P at the surface of autophagosome. Localizes to autolysosomes, a vesicle formed by the fusion between autophagosomes and lysosomes.

Images



All lanes : Anti-TECPR1 antibody - N-terminal (ab229625) at 1/1000 dilution

Lane 1 : C2C12 (mouse myoblast cell line) whole cell extract

Lane 2 : Mouse brain tissue extract

Lysates/proteins at 60 µg per lane.

Developed using the ECL technique.

Predicted band size: 130 kDa

5% SDS-PAGE

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

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