

Product datasheet

Anti-Peroxiredoxin 2/PRP antibody ab218161

1 Image

Overview

Product name	Anti-Peroxiredoxin 2/PRP antibody
Description	Rabbit polyclonal to Peroxiredoxin 2/PRP
Host species	Rabbit
Specificity	ab218161 may have a minor secondary cross-reactivity to related protein Peroxiredoxin 1 due to a 71% non-sequential sequence similarity over the immunogen range.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat Predicted to work with: Mouse, Human
Immunogen	Synthetic peptide within Human Peroxiredoxin 2/PRP aa 150-197 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Sequence: RSVDEALRLVQAFQYTDEHGEVCPAGWKPGSDTIKPNVD DSKEYFSKH Database link: P32119 Run BLAST with Run BLAST with
Positive control	Rat brain lysate
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,</p>

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.

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	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol, 1% BSA
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab218161** in the following tested applications.

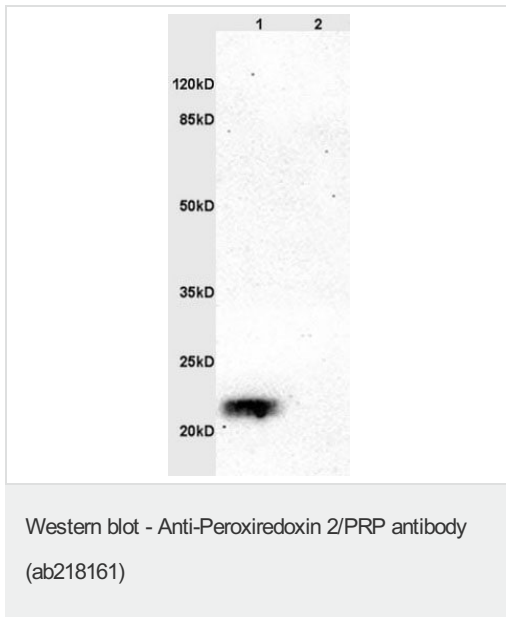
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/100 - 1/1000. Detects a band of approximately 22 kDa (predicted molecular weight: 22 kDa).

Target

Function	Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system. It is not able to receive electrons from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H ₂ O ₂ .
Sequence similarities	Belongs to the ahpC/TSA family. Contains 1 thioredoxin domain.
Cellular localization	Cytoplasm.

Images



All lanes : Anti-Peroxiredoxin 2/PRP antibody (ab218161) at 1/200 dilution

Lane 1 : Rat brain lysate

Lane 2 : Rat heart lysate

Secondary

All lanes : Goat Anti-Goat Anti-Rabbit IgG Antibody (H+L), HRP Conjugated at 1/3000 dilution

Predicted band size: 22 kDa

Observed band size: 22 kDa

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

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