

Product datasheet

Anti-PsbP antibody ab65566

[1 Image](#)

Overview

Product name	Anti-PsbP antibody
Description	Rabbit polyclonal to PsbP
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Arabidopsis thaliana, Tobacco
Immunogen	Recombinant PsbP protein of photosystem II
Positive control	Arabidopsis, spinach and tobacco chloroplast proteins.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer	Preservative: 0.01% Sodium azide
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab65566** in the following tested applications.

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

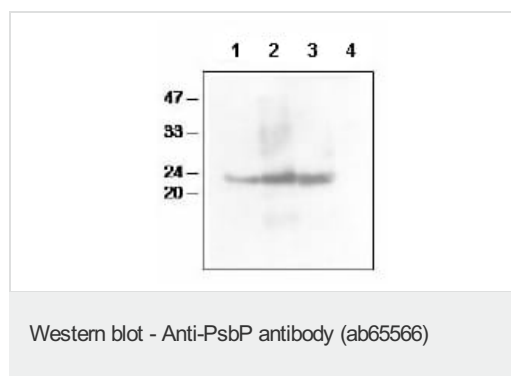
Application	Abreviews	Notes
WB		1/3000. Detects a band of approximately 23 kDa (predicted molecular weight: 28 kDa).

Target

Relevance PsbP, also known as 23 kDa protein of oxygen evolving complex (OEC), is a peripheral component of photosystem II located at the luminal side of the thylakoid membrane. The Arabidopsis genome encodes two PsbP proteins, PsbP1 and PsbP2 and the loss of PsbP in Arabidopsis thaliana results in inability to grow under phototrophic conditions. In cyanobacteria, PsbP is probably involved in the stabilisation of the charge separation in photosystem II through interaction with the Mn cluster.

Cellular localization Plastid, chloroplast thylakoid membrane.

Images



All lanes : Anti-PsbP antibody (ab65566) at 1/3000 dilution

Lane 1 : Arabidopsis chloroplast protein

Lane 2 : Spinach chloroplast protein

Lane 3 : Tobacco chloroplast protein

Lane 4 : Synechocystis thylakoid protein

Predicted band size: 28 kDa

Observed band size: 23 kDa

[why is the actual band size different from the predicted?](#)

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

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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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