

product **AS09 459**  
**ClpB-P | ClpB3**

### product information

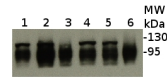
<b>background</b>	<b>ClpB-P</b> is involved in chloroplast biogenesis. Synonymes: ALBINO AND PALE GREEN 6, APG6, AT5G15450, CASEIN LYTIC PROTEINASE B3, CASEIN LYTIC PROTEINASE B-P, CLPB3, CLPB-P, T20K14_60, T20K14.60
<b>immunogen</b>	<u>KLH</u> -conjugated peptide derived from ClpB-P of <i>Arabidopsis thaliana</i> <u>Q9LF37</u>
<b>antibody format</b>	rabbit polyclonal serum, lyophilized
<b>quantity</b>	200 µl - for reconstitution add 200 µl of sterile water
<b>storage</b>	store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
<b>tested applications</b>	western blot (WB)
<b>additional information</b>	there is a cross-reacting band at ca. 95 kDa - therefore longer electrophoresis time is advised to obtain good separation

### application information

<b>recommended dilution</b>	1: 1000 (WB)
<b>expected   apparent MW</b>	108,9   100 kDa
<b>confirmed reactivity</b>	<i>Arabidopsis thaliana</i>
<b>predicted reactivity</b>	<i>Ricinus communis</i> , <i>Vitis vinifera</i> , <i>Populus trichocarpa</i>
<b>not reactive in</b>	no confirmed exceptions from predicted reactivity known in the moment
<b>additional information</b>	to be added when available
<b>selected references</b>	For applications or usage on species others than stated above Agrisera offers a <b>payment-after-testing option</b> . To learn more about this or for any questions on this product, please use the LiveChat option in the left menu bar or contact us at <a href="mailto:support@agrisera.com">support@agrisera.com</a>

## application example

**10 µg** of total protein from 7 day old *Arabidopsis* plants grown at control conditions, 22 °C wilde type, Columbia-9 **(1)**, hot1-3, HSP101 null **(2)**, clpBp-1, ClpBp null **(3)** and heat shocked at 38 °C for 1.5 hour wilde type, Columbia-9 **(4)**, hot1-3, HSP101 null **(5)**, clpBp-1, ClpBp null **(6)** were separated on 7-16 % SDS-PAGE and blotted overnight to nitrocellulose membrane. Blots were blocked immediately following transfer in for 1h at room temperature with agitation. Blots were incubated in Agrisera anti-ClpB-P antibody (AS09 459) at a dilution of 1: 1000 for 1h at room temperature with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at room temperature with agitation. Blots were incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from GE healthcare) diluted to 1:2500 in 5% dry milk blocking solution for 1h at room temperature with agitation. The blots were washed as above and developed for 5 min with ECL detection reagent according to the manufacturers instructions. Exposure time was 20 seconds.



Courtesy Minsoo Kim, University of Arizona