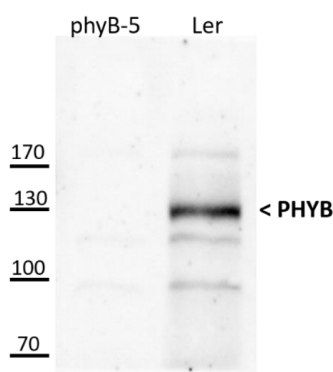


Product no **AS21 4566****PhyB | Phytochrome B (dicots)****Product information**

<b>Immunogen</b>	KLH-conjugated peptide derived from <i>Arabidopsis thaliana</i> PhyB, C-terminal, UniProt: <a href="#">P14713</a> , TAIR: <a href="#">At2g18790</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Affinity purified serum, in PBS pH 7.4
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution add 50 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>Additional information</b>	PhyB   Phytochrome B (dicots)

**Application information**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	129 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i>
<b>Predicted reactivity</b>	<i>Arabis alpina</i> , <i>Camelina sativa</i> , <i>Capsella rubella</i> , <i>Brassica napus</i> , <i>Brassica oleracea</i> , <i>Eutrema salsugineum</i> , <i>Raphanus sativus</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	<i>Gossypium hirsutum</i> , <i>Hordeum vulgare</i> , <i>Poplar sp.</i> , <i>Zea mays</i>
<b>Selected references</b>	To be added when available, antibody available in December 2022.

**Samples:**Ler - 30 µg of *Arabidopsis thaliana* Ler dark grown seedling extractphyB-5 - 30 µg of *Arabidopsis thaliana* phyB-5 mutant dark grown seedling extract

MW markers: PageRuler Prestained Protein Ladder (Thermo Fisher Scientific)

30 µg/well of total protein extracted from 4-days-old *Arabidopsis thaliana* seedlings with extraction buffer (65 mM Tris/HCl pH 6.8; 4 M Urea; 10% glycerol; 3% SDS; 0.05% bromophenol blue; 20 mM DTT). Protein extracts were stored overnight at -20°C. Prior to separation on SDS PAGE, extracts were thawed and incubated for 5 min at 65°C followed by centrifugation and were separated on 9% SDS-PAGE and blotted 2 h to PVDF membrane (Immobilon-P pore size 0.45 µm) using wet transfer. Blot was blocked with 5% milk powder in TBS-T for 1 h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1:1000 in TBS-T ON/4°C with agitation. The antibody solution was decanted and the blot was rinsed with TBS-T briefly twice, then washed 3 times for 10 min in TBS-T at RT with agitation. Blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated [AS09 602](#)) diluted to 1:25 000 in TBS-T for 1h/RT with agitation. The blot was washed as above and developed for 5 min with [AgriseraECLSuperBright](#) with Fusion SL (Pleqlab) luminescence camera system. Exposure time

was 8 minutes at full resolution.

Courtesy of Dr. Andreas Hiltbrunner, Freiburg University, Germany