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Product no AS21 4566

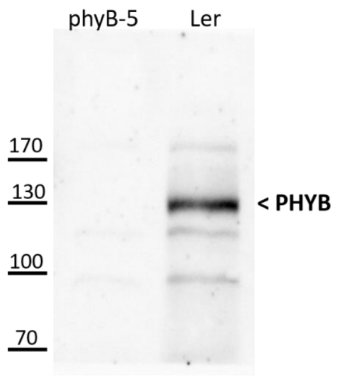
Anti-PhyB | Phytochrome B (dicots)

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* PhyB, C-terminal, UniProt: P14713, TAIR: At2g18790
Host	Rabbit
Clonality	Polyclonal
Purity	Affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl, of sterile water.
Storage	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.
Additional information	PhyB | Phytochrome B (dicots)

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	129 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Arabis alpina, Camelina sativa, Capsella rubella, Brassica napus, Brassica oleracea, Eutrema salsugineum, Raphanus sativus* Species of your interest not listed? Contact us
Not reactive in	*Gossypium hirsutum, Hordeum vulgare, Poplar* sp., *Zea mays*
Selected references	Péter et al. (2024). Phytochrome C and Low Temperature Promote the Protein Accumulation and Red Light Signaling of Phytochrome D. Plant Cell Physiol. 2024 Aug 9:pcae089. doi: 10.1093/pcp/pcae089.



Samples:
Ler - 30 ug of *Arabidopsis thaliana* Ler dark grown seedling extract
phyB-5 - 30 ug 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% bromphenol 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 (Peqlab) luminescence camera system. Exposure time was 8 minutes at full resolution.

Courtesy of Dr. Andreas Hiltbrunner, Freiburg University, Germany