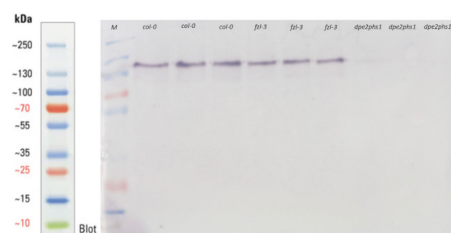


Product no **AS23 4952****Anti-DPE2 | 4-alpha-glucanotransferase****Product information**

Immunogen	KLH-conjugated peptide derived from <i>Arabidopsis thaliana</i> DPE2 protein sequence, UniProt: Q8RXD9 TAIR: AT2G40840
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution, add 50 µl of sterile or deionized 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.

Application information

Recommended dilution	1: 500 - 1 : 1000 (WB)
Expected apparent MW	107.7 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i>
Predicted reactivity	<i>Arachis hypogaea</i> , <i>Brachypodium distachyon</i> , <i>Brassica napus</i> , <i>Cannabis sativa</i> , <i>Glycine max</i> , <i>Gossypium sp.</i> , <i>Hordeum vulgare</i> , <i>Malus domestica</i> , <i>Manihot esculenta</i> , <i>Medicago truncatula</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Pisum sativum</i> , <i>Populus sp.</i> , <i>Ricinus communis</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> , <i>Sorghum bicolor</i> , <i>Spinacia oleracea</i> , <i>Theobroma cacao</i> , <i>Triticum sp.</i> , <i>Vitis vinifera</i> , <i>Zea mays</i>
	Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	To be added when available, antibody available in November 2025.

**Samples:**

- 1 - Protein Ladder
- 2-4 - Columbia-0, *Arabidopsis thaliana* wildtype
- 5-7 - *fzl-3* mutant (overexpressor)
- 8-10 - *dpe2-5/phs1b* mutant (knockout)

40 µg of total protein extracted freshly from *Arabidopsis thaliana* leaves was loaded/well. Exact buffer components were: 9% gel was used, separating gel consists of (0.75M Tris/HCl pH 8.8, 10% SDS, Rotiphorese GEL 30, 10% ammonium persulphate and TEMED) and stacking gel with (0.5 M Tris/HCL pH 6.8, 10% SDS, Rotiphorese GEL 30, 10% ammonium persulphate and TEMED) and running buffer consisting of (Tris, glycine and SDS) denatured with 3x SDS sample buffer to the crude extract i.e (10 µl SDS buffer to 20 µl crude extract) at 95 °C for 5 min at 1200 rpm and centrifuged at RT for 15 min at 14000g. western blot Samples were transferred in the cold transfer buffer (50 mM Tris, 150 mM Glycine, 20% methanol and 0.02% (w/v) SDS and blotted for 50 min in 40V and 250 mA. nitrocellulose (pore size of 0.2 µm), using wet transfer in the cold. Blot was blocked with 5 % milk for 1h/RT with gentle agitation. Blot was incubated in the primary antibody at a dilution of 1:500 for 1h/RT with gentle agitation (diluted in milk blotting buffer). The antibody solution was decanted, and the blot was then washed 6 times for 5 min in TBS-T at RT with gentle agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse ALP conjugated, [AS09 60Z](#), Agrisera) diluted to 1:1000 in for 30 min-1h/RT with agitation. The blot was washed 6 times and 5 min each in TBS-T as above and developed with BCIP/NBT for 15 minutes.



This product is **for research use only** (not for diagnostic or therapeutic use)

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Courtesy of Biopolymer Analytics, University of Potsdam, Germany