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Product no AS16 4110

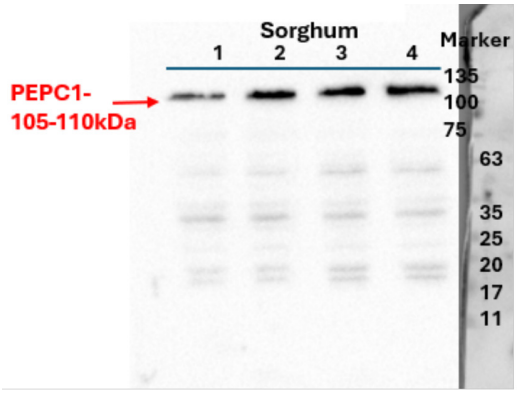
Anti-PEPC 1 | Phosphoenolpyruvate carboxylase 1

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* PEPC1, UniProt: Q9MAH0, TAIR: AT1G53310
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 ug
Reconstitution	For reconstitution, add 50 µl, of sterile water.
Storage	Lyophilized antibody can be stored at -20°C for up to 3 years. Re-constituted antibody can be stored at 4°C for several days to weeks. 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 : 1000 (WB)
Expected | apparent MW	105 kDa
Confirmed reactivity	*Sorghum bicolor*
Predicted reactivity	Arabidopsis thaliana, Camelina sativa, Capsella rubella, *Sorghum bicolor*
Not reactive in	*Lycopersicum esculentum, Oryza sativa, Setaria* sp. Starkeya novella, *Zea mays*
Selected references	To be added when available, antibody available in January 2026.



Samples: 1-4 20 ug of *Sorghum bicolor* wildtype leaves
Mark: MW markers

20 µg/well of total protein extracted freshly from *Sorghum bicolor*. Exact buffer components were: 80% Glycerol, 0.5M Tris-Hcl, p H 6.8, 10% SDS, 100% 2-mercaptoethanol and denatured with exact buffer components at 95 °C/ 10 min. Samples separated in the cold on 12.5 % SDS-PAGE and blotted for 1h to PVDF membrane, using: wet transfer in the cold. Blot was blocked with 5 % milk for: 1h/RT with agitation. The blot was incubated in the primary antibody at a dilution of 1: 1000 for overnight, 4°C 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 RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG) diluted to 1: 10 000 in for 1h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent. Exposure time was 2 seconds.