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Product no AS23 4914

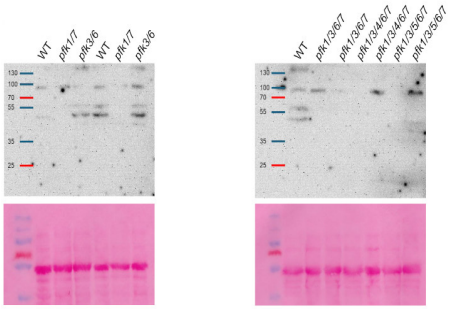
Anti-PFK1-7 | Phosphofructokinase 1-7

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* PFK1-7 protein sequences, UniProt: Q9M0F9 , Q9FIK0,Q94AA4, Q9FKG3 Q8VYN6 Q9M076 Q9C5J7 TAIR: At4g29220, At5g47810, At4g26270, At5g61580, At2g22480, At4g32840, At5g56630
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 : 1000 - 1: 2000 (WB)
Expected | apparent MW	51.9 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus* (PFK1, PFK3, PFK5, PFK6, PFK7), *Nicotiana tabacum* (PFK3, PFK4, PFK5, PFK6) *Pisum sativum (PFK3, PFK4, PFK5, PFK7,PFK6)* *Solanum lycopersicum* (PFK3, PFK4m PFK5, PFK6 *Solanum tuberosum* (PFK3, PFK4, PFK5, PFK6) *Arachis hypogaea, Brachypodium distachyon, Brassica napus, Cannabis sativa, Hordeum vulgare, Malus domestica, Manihot esculenta, Medicago truncatula, Nicotiana tabacu,Oryza sativa, Saccharum sp., Theobroma cacao, Triticum sp, ,Sorghum bicolor, Zea mays, Vitis vinifera* 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 January 2025.



Samples:
20 ug of Arabidopsis thaliana whole leaf extract
20 ug of Arabidopsis thaliana mutant described above the picture MW markers are marked on the left side of each membrane

20 µg/well of total protein extracted freshly from leaf extracts of *Arabidopsis thaliana* wildtype and mutants. Exact buffer components were: 50 mM Hepes-KOH (pH 6.8), 5 mM Mg-acetate, 15 % Glycerin, 1 mM EDTA, 1 mM EGTA, 5 mM ß-Mercaptoethanol, 0.1 mM Pefabloc Proteinase-inhibitor and denatured with 1 x Laemmli-buffer (62.5 mM Tris-HCl (pH 6.8), 2 % SDS, 10 % Glycerin, 5 % ß-Mercaptoethanol, 0.001 % Bromphenolblue) at 98 °C / 2 mins. Samples were separated on 10 % SDS-PAGE and blotted for 1 h PVDF (pore size of 0.45 µm), using: wet transfer in the cold. Blot was blocked with 5 % nonfat milk 4°C / ON with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2 000 for 1 h/RT with agitation in TBS-T. The antibody solution was decante, andd the blot was rinsed briefly, then washed once 3 times for 10 min

in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1: 25 000 in for 1 h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent. Exposure time was 3 minutes.

Courtesy of phd student Alina Johanna Hieber, University of Bayreuth, Bayreuth, Germany