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Product no AS12 2615

Anti-CHS | Chalcone synthase

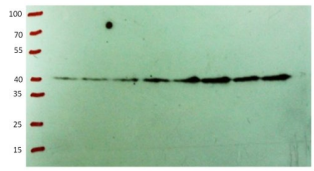
Product information

Immunogen	KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* CHS, UniProt:P13114, TAIR: AT5G13930
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
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 the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1 : 20-1 : 500 (IL), 1 : 1000 (WB)
Expected | apparent MW	43.1 kDa
Confirmed reactivity	*Arabidopsis thaliana, Solanum lycopersicum*
Predicted reactivity	*Cannabis sativa, Brassica sp, Gossypium hirsutum, Nicotiana tabacum, Oryza sativa, Solanum tuberosum, Petroselinum* sp.*, Picea abies, Pisum sativum, Triticum aestivum, Zea mays, Vitis vinifera* Species of your interest not listed? Contact us
Not reactive in	*Zostera marina*
Selected references	Trojak et al. (2021) Effects of partial replacement of red by green light in the growth spectrum on photomorphogenesis and photosynthesis in tomato plants. Photosynth Res. 2021 Sep 27. doi: 10.1007/s11120-021-00879-3. Epub ahead of print. PMID: 34580802. Nabbie et al. (2017). Lambda Protein Affects Anthocyanin Production in Arabidopsis thaliana during Drought Stress. Journal of Agricultural Science; Vol. 9, No. 7; 2017 (immunolocalization, western blot)

application example



0.5 to 7 µg of protein from *Arabidopsis thaliana* Col0 leaf tissue, extracted with Agrisera PEB protein extraction buffer 1X were separated on 12 % SDS-PAGE using tank (BioRad system) to transfer to to nitrocellulose membrane during 1 hour. Blots were blocked with BSA (Sigma) for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 for 1h at RT 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 secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera AS09 602) diluted to 1:20 000 in for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturer's instructions. Exposure time was 20 seconds. For transference control the membrane was stained with Ponceau red and integrity of proteins was evaluated using 12% SDS-PAGE silver stained.

Courtesy of Dr. Rodrigo A. Contreras, Universidad de Santiago de Chile