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Product no AS16 3990

Anti-LFY | Leafy

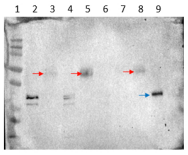
Product information

Immunogen	KLH-conjugated synthetic peptide derived from LFY sequence of *Arabidopsis thaliana*, UniProt: Q00958, TAIR: AT5G61850
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen 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 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.
Additional information	Affinity purified antibodies are lyophilized from PBS pH 7,4

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	46.5 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Amelanchier aff. bartramiana KC-2017, Arabis alpina, Bauhinia ramosissima, Coccinia racemiflora, Crataegus viridis, Fragaria nubicola, Gaultheria procumbens, Kageneckia oblonga, Neillia incisa, Piliostigma reticulatum, Physocarpus capitatus, Vauquelinia californica* Species of your interest not listed? Contact us
Not reactive in	
Additional information	This antibody is recognizing LFY-YFP

Application example



20 µg of total protein: Markers **(1)**, 35S:: LFY lines tsp1 **(2)**, 35S:: LFY lines E1 **(3),** 35S:: LFY lines tsp2 **(4)**, 35S:: LFY lines E2 **(5)**, Empty well **(6)**, 35S:: LFY lines tsp3 **(7)**, 35S:: LFY lines E3 **(8)**, LFY recombinant protein **(9)** extracted freshly from leaves with IP buffer (Co-IP kit from Invitrogen) and denatured with SDS reducing dye at 90°C for 5 min were separated on 12 % SDS-PAGE and blotted for 10 min to PVDF using dry transfer system (iBlot, Invitrogen). Blot was blocked with blocking buffer for 10 min at RT with agitation. Blot was incubated with primary antibody (anti-LFY, Agrisera) at a dilution of 1: 1 000, washed, incubated with Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, AS09 602 Agrisera) diluted to 1:25 000 and washed. The incubations were performed for 2h 30 min using the ibind system (Invitrogen). The blot was developed for 1 min with ECL reagents (BioRad). Exposure time was 100 seconds. The red arrow indicates the position of LFY from in planta samples and the blue the position of the truncated version of recombinant LFY.

Courtesy of Dr. Claudius Marondedze, CEA, France