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Product no AS22 4830

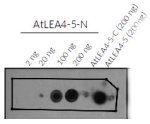
Anti-LEA4-5 (1-77) | Late embryogenesis abundant protein LEA4-5 (N-terminal)

Product information

Immunogen	Recombinant *Arabidopsis thaliana* LEA4-5 amino acid 1-77, UniProt: Q9FG31 , TAIR: AT5G06760
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 : 1000 (WB)
Expected | apparent MW	16 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	This antibody is recognizning 20 ng of recombinant AtLEA4-5 protein.
Selected references	Romero-Pérez et al. (2024). Self-association and multimer formation in AtLEA4-5, a desiccation-induced intrinsically disordered protein from plants. Protein Sci. 2024 Nov;33(11):e5192. doi: 10.1002/pro.5192.



The amount of purified protein or peptide used in these dot western blot experiments is indicated above the image (2 ng to 200 ng). As specificity controls, we used 200 ng of purified AtLEA4-5 and of a peptide corresponding to the AtLEA4-5 C-region. In all cases, equal volumes of the different samples were dotted on Nitrocellulose Blotting Membrane 0.45 µm Amersham TM Protran TM Premium. Once samples were dry, membranes were blocked with non-fat milk 5% (W/V) during eight hours at 4°C with agitation. Blots were incubated with primary antibody at the indicated dilution for two days at 4°C with slow agitation. The antibody solution was decanted and blots were rinsed briefly, then washed once for 15 min and 2-times for 5 min in TBS-T at room temperature (RT) with agitation. Subsequently, blots were incubated with secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 for 8 h at RT with agitation. The blot was washed as described above and developed for 2 min with the chemiluminescent detection reagent. Exposure time was 60 seconds.

Courtesy of Dr. Alejandra A. Covarrubias,Universidad Nacional Autónoma de México, Mexico