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Product no AS13 2758

LEA4-5 | Late embryogenesis abundant protein 4-5 (serum)

Product information

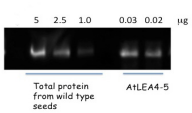
Background	**LEA (Late embryogenesis abundant)** proteins are very hydrophilic proteins, described over 25 years ago as accumulating during late stages of plant seed development. Found in vegetative plant tissues following exposure to environmental stress. Synonymes: Putative late embryogenesis abundant protein LEA.
Immunogen	recombinant LEA4-5 from *Arabidopsis thaliana:* UniProt: Q9FG31, TAIR: AT5G06760, a group 4 LEA protein (Battaglia et al., 2008)
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 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.
Tested applications	Western blot (WB)
Related products	AS13 2756 | Anti-LEA6-3 | late embryogenesis abundant protein 6-3, rabbit antibodies Plant protein extraction buffer Secondary antibodies

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	16 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Arachis hypogaea*, *Brassica* sp., *Glycine max*, *Medicago truncatula*, *Phaseolus vulgaris*, *Thellungiella halophila* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.

For high resolution images, please visit the specific product page at www.agrisera.com

Application information



Arabidopsis thaliana seed protein extracts were obtained as described by Olvera-Carrillo et al. (Plant Physiol 154:373-390, 2010). Proteins were separated on 12% SDS-PAGE and blotted 1h to nitrocellulose membrane using semi-dry transfer for 1 h. Blots were blocked ON at 4ºC in 2% non-fat milk with agitation. Blots were 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 1:25 000 in 2% non-fat milk 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 1 min.

Courtesy of Dr. Alejandra A. Covarrubias, UNAM, Mexico