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Product no AS12 1865

EIN2 | Ethylene insensitive 2

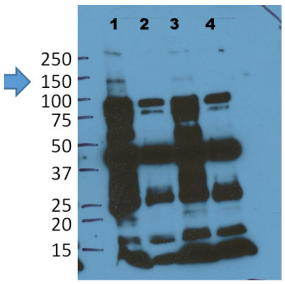
Product information

Immunogen	KLH-conjugated peptide chosen from EIN2 of *Arabidopsis thaliana*, UniProt: Q9S814, TAIR: AT5G03280 Chosen peptide is not to be found in EIN3.
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.

Application information

Recommended dilution	1 : 2000 (WB)
Expected | apparent MW	140 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brachypodium distachyon, Cucumis sativus, Glycine max, Hordeum vulgare, Medicago truncatula, Nicotiana tabacum, Solanum lycopersicum, Oryza sativa, Phtheirospermum japonicum, Populus trichocarpa, Ricinus communis, Solanum lycopresicum, Sorghum bicolor, Triticum aestivum, , Zea mays, Vitis vinifera* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known

Application example



40-60 µg of membrane protein (measured with Millipore Direct Detect spec.) isolated following membrane extraction buffer protocol from Dong et al. 2008 (Plant Journal 53(2): 275-286) from 4 day old dark grown *Arabidopsis thaliana* seedlings, grown on MS plated with ACC or AVG in the plate, extracted with (10 mM Tris-HCl pH 7.5, 150 mM NaCl, 1 mM EDTA, 10 % glycerol, 1 % Triton X-100, and protease ihibitors cocktail from Sigma) were separated 4-20% Bio-Rad precast SDS-PAGE gel and blotted 1h to PVDF membrane using semi-dry transfer. Blots were blocked with 5% milk for 2h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2 000 overnight at 4°C with agitation. The antibody solution was decanted and the blot was then washed 5 times for 10 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 Bio-Rad ECL according to the manufacturer's instructions. Exposure time was 25 min (to see full length EIN2).

Antibody is suitable for detection of full length EIN2. Bands below 140 kDa are non-specific.

Courtesy of Jennifer Marie Shemansky, University of Maryland, USA