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Product no AS12 1861

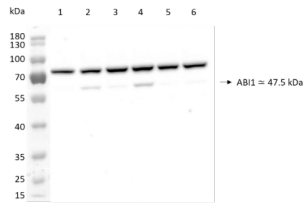
ABI1 | Abscisic acid insensitive 1

Product information

Immunogen	KLH-conjugated peptide, derived from *Arabidopsis thaliana* ABI1 sequence UniProt: P49597, TAIR: AT4G26080. Chosen peptide is not present in AtABI2.
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	It is of crucial importance to chose a material in which ABI1 protein is highly expressed like seeds or senescent leaf. This protein could not be detected using this antibody in plants grown under optimal (non stressed) conditions, The antibody detects both, recombinant and endogenous ABI1 proteins.

Application information

Recommended dilution	5 µg (IP for a 200 ul of a cell extract), 3 µg (WB)
Expected | apparent MW	47.5 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Important note: blocking with more than 3% skimmed milk will result in lack of signal for this antibody
Selected references	Mitula et al. (2015). Arabidopsis ABA-Activated Kinase MAPKKK18 is Regulated by Protein Phosphatase 2C ABI1 and the Ubiquitin-Proteasome Pathway. Plant Cell Physiol. 2015 Dec;56(12):2351-67. doi: 10.1093/pcp/pcv146. Epub 2015 Oct 6.



Samples: 1 - 50 µg of *Arabidopsis thaliana* Col0 mock-treated (MG132 50 µM, 6 hours)
2 - 50 µg of *Arabidopsis thaliana* Col0 ABA-treated (MG132 50µM + ABA 50 µM, 6 hours)
3 - 50 µg of *Arabidopsis thaliana* ost1(snrk2.6) mock-treated (MG132 5 0µM, 6 hours)
4 - 50 µg of *Arabidopsis thaliana* ost1(snrk2.6) ABA-treated (MG132 50 µM + ABA 50µM 6, hours)
5 - 50 µg of *Arabidopsis thaliana* abi1-2 mock-treated (MG132 50 µM, 6 hours)
6 - 50 µg of *Arabidopsis thaliana* abi1-2 ABA-treated (MG132 50 µM + ABA 50µM, 6 hours)

50 µg/well of total protein extracted freshly from *Arabidopsis thaliana roo*ts with: 150 mM NaCl, 50mM Tris-HCL pH 8, 1% Triton X-100, anti-proteases cocktail (Complete mini EDTA free, "ROCHE") (1 tablet for 10ml), 3 mM DTT, 50 mM MG132, or 50 mM ABA; and denatured with exact buffer components at 95°C/5 min. Samples were separated on 10% SDS-PAGE and blotted overnight (ON) to PVDF (Inmobilon®-FL) (pore size of 0.45 µm), using: wet transfer. Blot was blocked with 3% milk for: 6h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 10 000 in TBS-T 1X for ON/4°C with agitation. The antibody solution was decanted, and the blot was rinsed briefly twice, then washed 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (Goat anti-rabbit IgG HRP conjugated, AS09 602, Agroisera) diluted to 1: 10 000 in for 1h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent: Agrisera ECL SuperBright (AS16 ECL-S-10) supplied by Agrisera. Exposure time was 10 seconds.

Courtesy of Drs. Javier Ocaña, Alberto Coego and Pedro L. Rodriguez, CSIC, Spain