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Product no AS19 4272

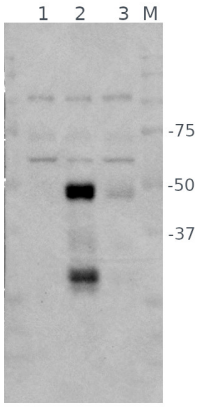
Anti-ABI5 | Abscisic acid insensitive 5 (anti-protein antibody)

Product information

Immunogen	Recombinant HIS-tagged, full length ABI5 in gel slice, of *Arabidopsis thaliana* UniProt: Q9SJN0-1, TAIR: At2g36270, overexpressed in *E.coli*
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 (short tem, months) or at -80°C (long term, years) ; 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	47 | ca. 48 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica oleracea, Solanum lycopersicum, Oryza sativa* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Stone et al. (2006). KEEP ON GOING, a RING E3 ligase essential for Arabidopsis growth and development, is involved in abscisic acid signaling. Plant Cell. 2006 Dec;18(12):3415-28.



Samples:
1 - 30 µg total proteins of *Arabidopsis thaliana* germinating seeds (3-day old); wild type
2 - 30 µg total proteins of *Arabidopsis thaliana* germinating seeds (3-day old); wild type, treated with 0.5 µM ABA
3 - 30 µg total proteins of *Arabidopsis thaliana* germinating seeds (3-day old); abi5-8 mutant (a knockdown mutant), treated with 0.5 µM ABA MW Markers: BioRad Precision Plus Protein standards

30 µg (per lane) of total proteins extracted freshly from 3-day-old germinating seeds with the exaction buffer (50 mM Tris-HCl pH 8.0, 200 mM NaCl, 10 mM DTT, 1% (v/v) Triton X-100, Sigma protease inhibitor cocktail) and denatured with 4X SDS sample buffer at 95°C for 5 min. Samples were separated using 10% SDS-PAGE and transferred onto PVDF membrane (0.2 m pore size), using wet transfer. After blocking with 5% milk in PBS-T for 0.5h at RT (room temperature) with agitation, the blot was incubated in the primary antibody at a dilution of 1: 10, 000 (from the initial antibody solution at 1 µg IgG/µl) in PBS-T at 4°C with agitation. The antibody solution was decanted, and the blot was washed 4 times, each for 10 min, in PBS-T at RT with agitation. The blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, 1:20, 000) for 1h at RT with agitation. It was washed and developed with Agrisera ECL SuperBright.

Courtesy of Dr. Hong Wang, University of Saskatchewan, Canada