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Product no AS12 1863

ABI5 | Abscisic acid insensitive 5 (peptide antibody)

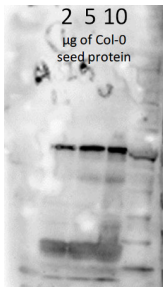
Product information

Immunogen	KLH-conjugated peptide derived from Arabidopsis thaliana ABI5 sequence,UniProt: Q9SJN0, TAIR: AT2G36270
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	2x50 µg
Reconstitution	For reconstitution add 50 µl of sterile water to each tube
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	MG132 is recommened to be added to extraction buffer as ABI5 is degraded by proteasome as well as homogenization with thiourea and bead beater. Protocol for protein extraction from seeds can be requested here.

Application information

Recommended dilution	1: 140 (IL), 1 : 200 (WB)
Expected | apparent MW	47 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus, Populus trichocarpa* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	ABI5 protein is present in very low levels therefore specific material should be used for analysis as well as chemiluminescence detection reagent in extreme low femtogram range, as AgriseraECLSuperBright.

application example



2, 5 and 10 ug of total protein (run on separate lanes) extracted from the Columbia ecotype (*Arabidopsis thaliana*) seeds using Acetone extraction was separated using the Bolt® Bis-Tris Plus Gel system on a 4-12% gradient SDS-PAGE gel, blotted using the turbo-blot system (BIO-RAD) to transfer onto a PVDF membrane (7min). SNAP-ID (Millipore) system was used for blocking and antibody labeling. Blocking occured for 30 minutes (no agitation, 0.05 % skim milk in dest. water). Primary antibody labeling was done for 10 minutes at 1:200 dilution. Followed by 3x10 ml washes (PBST). Then blotted with secondary antibody (anti-rabbit IgG HRP conjugated from Agrisera AS09 602) for 10 min (1:1000 dilution) followed by three washes.Blot was developed using ECL as per manufacturer's instructions. Exposure time was 2 min.

Courtesy of Nay Chi, Pogson Lab, Australia