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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 <u>here</u>.

### **Application information**

Recommended dilution 1: 140 (IL), 1: 200 (WB)

Expected | apparent 47 kDa

W 47 K

Predicted reactivity Brassica napus, Populus trichocarpa

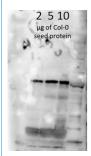
Species of your interest not listed? Contact us

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 <u>AS09 602</u>) 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