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This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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Product no AS15 3082

DET1 | Regulator of the proteasomal degradation of LHY

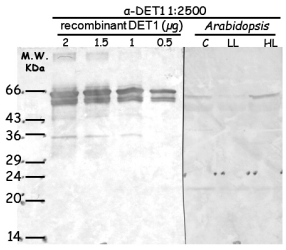
Product information

Immunogen	Recombinant, full length DET1 of *Arabidopsis thaliana*, overexpressed in *E.coli,* UniProt: P48732, TAIR: AT4G10180
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; 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	This product can be sold containing ProClin if requested

Application information

Recommended dilution	1 : 2500 (WB)
Expected | apparent MW	62 | 62 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Capsicum annuum, Glycine max, Medicago truncatula, Oryza sativa, Populus trichocarpa, Ricinus communis, Solanum lycopersicum, Solanum tuberosum, Theobroma cacao, Zea mays, Zostera marina* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Castells et al (2011). The conserved factor DE-ETIOLATED 1 cooperates with CUL4-DDB1DDB2 to maintain genome integrity upon UV stress. EMBO J. 2011 Mar 16;30(6):1162-72. doi: 10.1038/emboj.2011.20. Epub 2011 Feb 8.

application example



Recombinant protein **(0.5-1-1.5-2 µg of protein)** and total proteins from *Arabidopsis thaliana* whole leaves from plants grown in control light **(C)**, low light **(LL)** and high light **(HL),** corresponding to 1 µg of chlorophylls, were extracted with loading buffer (10% glycerol, 62.5 mM Tris pH 6.8, 2% SDS, 5% -mercaptoethanol) and denatured at 100°C (boiling water) for 1 min. Proteins were separated on 12% SDS-PAGE (Laemly) and blotted 1h to PVDF using tank transfer. Blots were blocked with blocking solution (PBS 1X, 0.2% w/v Tween, 5% powder milk) for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody diluted in blocking solution, at a dilution of 1: 25,000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed 3 times for 10 min in blocking solution at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG alkaline phosphatase conjugated) diluted to 1:30 000 in blocking buffer for 1h at RT with agitation. The blot was washed 2 times for 10 min in blocking solution and once with PBS 1X solution for 10 min, then developed in developing buffer developing buffer NBT/BCIP by manual agitation.

Courtesy of Stefano Cazzaniga, University of Verona, Italy