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Product no AS07 225

Anti-A12,2 | RNA polymerase I subunit (homolog of Pol II Rpb9)

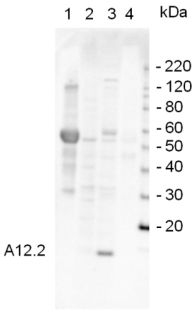
Product information

Immunogen	KLH-conjugated peptide derived from the *Arabidopsis thaliana* A12.2 (At3g25940) protein sequence. This sequence is only weakly conserved in other eukaryotic sequences available in the databases.
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	200 µg
Reconstitution	For reconstitution add 143 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 has previously been labelled as anti-At3g25940 transcription factor S-II (TFIIS) domain-containing protein. Protocol for isolation of cytosolic and nuclear fractions can be found here.

Application information

Recommended dilution	1 : 2000 (WB)
Expected | apparent MW	13.6 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Arabidopsis thaliana*
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	This antibody is specific for A12,2 subunit of RNA polymerase I but NOT RNA polymerase II or IV from Arabidopsis thaliana

Application example



10 µg of total protein from (**1**) *Arabidopsis thaliana* and (**4**) *Oryza sativa* leafs extracted with PEB (**AS08 300**), as well as (**2**) cytosolic and (**3**) nuclear fractions of *Arbaidopsis thaliana* leafs were separated on **4-12%** NuPage (Invitrogen) **LDS-PAGE** and blotted 1h to **nitrocellulose**. Filters were blocked 1h with 2% low-fat **milk powder** in TBS-T (0.1% TWEEN 20) and probed with anti-A12.2 (AS07 255, **1:1000**, 1h) and secondary anti-rabbit (**1:20 000,** 1 h) antibody (HRP conjugated) in TBS-T containing 2% low fat milk powder. Antibody incubations were followed by washings in TBS-T (15, +5, +5, +5 min). All steps were performed at RT with agitation. Signal was detected with **chemiluminescent reagent** using a Fuji LAS-3000 CCD (300s, standard sensitivity). The target A12.2 is specifically detected only in the nuclear extract of *Arabidopsis thaliana* (**3**).