

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)

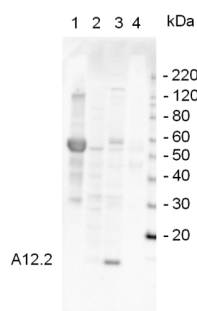
**Expected | apparent MW** | 13.6 kDa

**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* leaves extracted with PEB ([AS08 300](#)), as well as (2) cytosolic and (3) nuclear fractions of *Arabidopsis thaliana* leaves 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).