

# Anti-Cleavage and polyadenylation specificity factor subunit 3-I, C-terminal antibody

Catalog: PHY1043A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	The CPSF proteins is the cleavage and polyadenylation specificity factor and is essential for the mRNA 3'-end processing. The Arabidopsis contains five CPSF proteins: CPSF160 (AT5G51660), CPSF100 (AT5G23880), CPSF73-I (AT1G61010), CPSF73-II (AT2G01730), and CPSF30 (AT1G30460).
<b>Synonyms:</b>	CPSF73-I, AtCPSF73-I, CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR 73-I
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (22 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> CPSF73-I (AT1G61010).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 µl of 0.01M sterile PBS. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
<b>Stability &amp; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	77 / 75 kDa
<b>Confirmed Reactivity:</b>	<i>Arabidopsis thaliana</i>

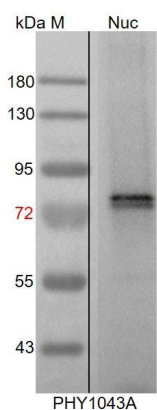
Research Use Only

### Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*, *Vitis vinifera*, *Populus trichocarpa*. For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).

## Application Example

### Example1:



Nuc: 7.5 µg nuclear protein from *Arabidopsis thaliana*.

**Electrophoresis:** 10% SDS-PAGE

**Transfer:** blotting to NC (nitrocellulose) membrane for 1 h.

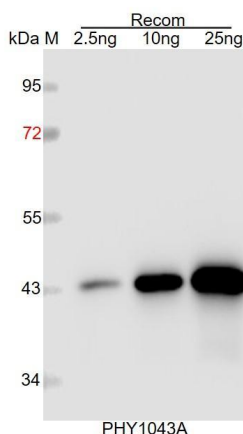
**Blocking:** 5% skim milk at RT or 4°C for 1 h.

**Primary antibody:** 1:2000 dilution overnight at 4°C.

**Secondary antibody:** 1:10000 dilution using Goat Anti-Rabbit IgG H&L(HRP) (Cat# PHY6000).

**Detection:** using chemiluminescence substrate and image were captured with CCD camera.

### Example2:



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 44 kDa.

**Electrophoresis:** 12% SDS-PAGE

**Transfer:** blotting to NC (nitrocellulose) membrane for 1 h.

**Blocking:** 5% skim milk at RT or 4°C for 1 h.

**Primary antibody:** 1:1000 dilution overnight at 4°C.

**Secondary antibody:** 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

**Detection:** using chemiluminescence substrate and image were captured with CCD camera.