

# Anti-DNA-directed RNA polymerase subunit beta" antibody

Catalog: PHY2531A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	In chloroplasts, transcription of plastid genes is mediated by two types of RNA polymerase: plastid-encoded RNA polymerase (PEP) and nuclear encoded RNA polymerase (NEP). PEP is composed of four core subunits ( $\alpha$ , $\beta$ , $\beta'$ , $\beta''$ ) and a promoter recognition subunit ( $\sigma$ factor). RpoC2 (ATCG00170) is the $\beta''$ subunit of PEP.
<b>Synonyms:</b>	RpoC2
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (18 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> RpoC2 (ATCG00170).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 $\mu$ g
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 $\mu$ l of 0.01 M 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>	156 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in

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*Medicago truncatula, Setaria viridis, Zea mays, Panicum virgatum, Sorghum bicolor, Triticum aestivum, Leymus chinensis, Hordeum vulgare, Brassica rapa, Brassica napus* and 80-99% homologues with the sequence in *Oryza sativa, Solanum tuberosum, Solanum lycopersicum, Spinacia oleracea, Glycine max.*

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).