

# Anti-EX1, chloroplastic antibody

Catalog: PHY1693S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	EX1 is a chloroplast thylakoid membrane protein that functions as a crucial sensor for singlet oxygen ( $^1\text{O}_2$ ). It mediates $^1\text{O}_2$ -triggered retrograde signaling and programmed cell death, linking photosynthesis stress to nuclear gene expression and defense responses.
<b>Synonyms:</b>	EX1, EXECUTER1
<b>Immunogen:</b>	Recombinant Protein of Arabidopsis thaliana EX1 (47-278aa of AT4G33630).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 $\mu\text{g}$
<b>Purification:</b>	Serum Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .
<b>Reconstitution:</b>	Reconstitution with 150 $\mu\text{l}$ of sterile water. "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>Predicted Reactivity:</b>	For more species homologues information, please contact tech support at <a href="mailto:tech@phytoab.com">tech@phytoab.com</a> .

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