

# Anti-Respiratory burst oxidase homolog protein F antibody

Catalog: PHY3563S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	ATRBOHF interacts with AtrbohD gene to fine tune the spatial control of ROI production and hypersensitive response to cell in and around infection site. ATRBOHF generates reactive oxygen species (ROS) during incompatible interactions with pathogens and is important in the regulation of the hypersensitive response (HR).
<b>Synonyms:</b>	RBOHF, ATRBOHF, ARABIDOPSIS THALIANA RESPIRATORY BURST OXIDASE HOMOLOG F, ATRBOH F, RBOH F, RBOHAP108, RESPIRATORY BURST OXIDASE PROTEIN F
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> RBOHF (AT1G64060).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<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 µl 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.
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Research Use Only

**Expected / apparent MW:** 108 kDa

**Confirmed Reactivity:** Coming soon

**Predicted Reactivity:** Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Solanum tuberosum*, *Brassica rapa*, *Brassica napus*, and 80-99% homologues with the sequence in *Gossypium raimondii*, *Solanum lycopersicum*, *Solanum tuberosum*, *Nicotiana tabacum*, *Populus trichocarpa*, *Vitis vinifera*, *Glycine max*, *Triticum aestivum*, *Hordeum vulgare*, *Medicago truncatula*, *Panicum virgatum*, *Setaria viridis*, *Sorghum bicolor*, *Oryza sativa Japonica Group*, *Zea mays*.  
For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).