

# Anti-Peroxisome biogenesis protein 2 antibody

Catalog: PHY7135S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	PEX2 is a conserved RING finger domain-containing peroxisomal membrane protein involved in peroxisomal protein import in diverse species. PEX2 or its RING domain possesses E3 ubiquitin ligase activity in Arabidopsis. It might act directly in a photomorphogenetic pathway negatively regulated by DET1, which is involved in peroxisome assembly and matrix protein import. It also could be part of a complex responsible for the monoubiquitination of PEX5.
<b>Synonyms:</b>	PEX2, AtPEX2, ARABIDOPSIS PEROXIN 2, PEROXIN 2, REVERSAL OF THE DET PHENOTYPE 3, TED3
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (16 aa from Central section) derived from <i>Arabidopsis thaliana</i> PEX2 (AT1G79810).
<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.
<b>Expected / apparent MW:</b>	38 kDa;

Research Use Only

**Predicted Reactivity:**

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in *Gossypium raimondii*, *Nicotiana tabacum*, *Oryza sativa*, *Populus trichocarpa*, *Panicum virgatum*, *Zea mays*, *Brassica napus*, *Brassica rapa*, *Hordeum vulgare*, *Triticum aestivum*, and 80-99% homologous with the sequence in *Medicago truncatula*, *Sorghum bicolor*, *Cucumis sativus*, *Solanum tuberosum*, *Solanum lycopersicum*, *Nicotiana tabacum*, *Setaria viridis*, *Vitis vinifera*, *Spinacia oleracea*.

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