

Anti-Protein PEROXIN-4 antibody

Catalog: PHY1848S

Product Information

Description:	Rabbit polyclonal antibody
Background:	PEX4 is required for peroxisome biogenesis, and is necessary for the developmental elimination of obsolete peroxisome matrix proteins.
Synonyms:	PEX4, PEROXIN4, UBC21, UBIQUITIN-CONJUGATING ENZYME 21
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> PEX4 (AT5G25760).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	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".
Stability & Storage:	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.
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	18 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica napus</i> , <i>Brassica rapa</i> , <i>Spinacia oleracea</i> , and 80-99% homologues

Research Use Only

with the sequence in *Sorghum bicolor*, *Setaria viridis*, *Panicum virgatum*, *Glycine max*, *Populus trichocarpa*, *Medicago truncatula*, *Gossypium raimondii*, *Solanum tuberosum*, *Hordeum vulgare*, *Vitis vinifera*, *Nicotiana tabacum*, *Zea mays*, *Triticum aestivum*, *Oryza sativa* Japonica Group, *Cucumis sativus*.

For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example

