

Anti-Peroxisome biogenesis protein 2, N-terminal antibody

Catalog: PHY0911A

Product Information

Description:	Rabbit polyclonal antibody
Background:	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.
Synonyms:	PEX2, AtPEX2, ARABIDOPSIS PEROXIN 2, PEROXIN 2, REVERSAL OF THE DET PHENOTYPE 3, TED3
Immunogen:	KLH-conjugated synthetic peptide (25 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> PEX2 (AT1G79810).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl 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".
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 (1:1000-1:2000); Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	38 kDa; ArabidopsisPEX10 and PEX2 can be detected only in cytosol

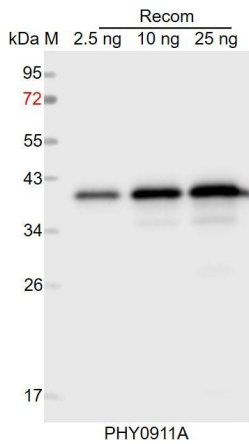
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and peroxisomes.

Predicted Reactivity:

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

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 40 kDa.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:1000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.