

Anti-OsATG8D antibody

Catalog: PHY4551A

Product Information

Description:	Rabbit polyclonal antibody
Background:	OsATG8D is a key autophagy-related protein in rice. It undergoes lipidation to anchor onto autophagosome membranes, marking these structures for degrading cellular components. It functions in stress responses and nutrient recycling, and recent studies suggest it also regulates plant immunity independently of the core autophagy pathway.
Synonyms:	ATG8E, OsATG8e, OsATG8d, Atg8d
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Oryza sativa</i> ATG8D (Os11g0100100).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol. "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

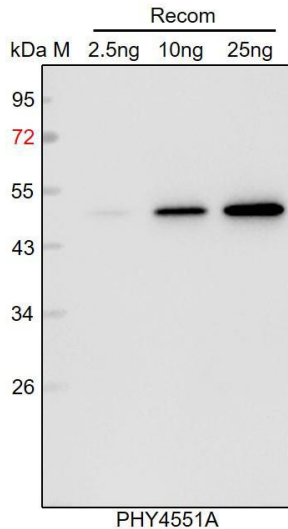
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	14 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologous with the sequence in <i>Hordeum</i>

Research Use Only

vulgare, *Panicum virgatum*, *Triticum aestivum*, *Setaria viridis*.

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 50 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.