Anti-Alpha-amylase antibody

Catalog: PHY4236S

Product Information

Description:	Rabbit polyclonal antibody
Background:	α-Amylases are hydrolytic enzymes responsible for the mobilization of the starch into metabolizable sugars. It can hydrolyze alpha bonds of large, alpha-linked polysaccharides, such as starch and glycogen, yielding glucose and maltose. This process provides the energy for the growth of roots and shoots and is crucial during germination of cereal seeds.
Synonyms:	AMY1.1, AMY1A/C
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from *Oryza sativa* AMY1A (Os02g0765600) and AMY1C (Os02g0765400).
Form:	Lyophilized
Quantity:	150 μg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150μl 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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

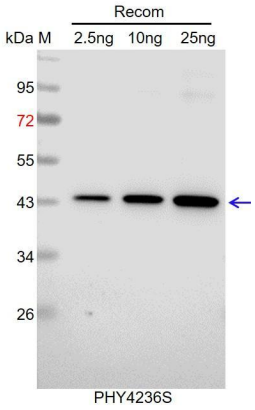
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	48 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used

for immunization is 80-99% homologues with the sequence in *Triticun aestivum*, *Hordeum vulgare*, *Zea mays*.

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 45 kDa.

Electrophoresis: 12% SDS-PAGE

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

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

Primary antibody: 1:1000 dilution overnight at 4℃.

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.