

Anti-Os06g0147800/OsMKK1/OsMEK2 antibody

Catalog: PHY4157S

Product Information

Description:	Rabbit polyclonal antibody
Background:	OsMKK1, also named OsMEK2, is a MAPK kinase (MAPKK). It functions as a positive regulator in salt stress tolerance, ABA signaling, and plant immunity, and is also involved in ferroptotic cell death during pathogen interactions.
Synonyms:	OsMKK1; OsMEK2
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Oryza sativa</i> OsMKK1/OsMEK2 (Os06g0147800).
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

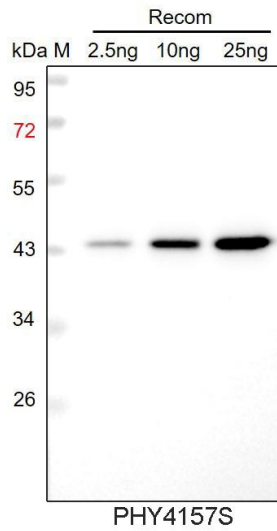
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	39 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Triticum aestivum</i> , <i>Hordeum vulgare</i> , and 88-93% homologues with the sequence in <i>Arabidopsis thaliana</i> (AT4G26070, AT4G29810),

Research Use Only

Brassica rapa, Brassica napus, Populus trichocarpa, Gossypium raimondii, Panicum virgatum, Sorghum bicolor, Medicago truncatula, Nicotiana tabacum, Solanum tuberosum, Solanum lycopersicum, Glycine max, Cucumis sativus, Panicum virgatum.

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 44 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.