# Anti-Mitogen-activated protein kinase 12 antibody

**Catalog:** PHY4118S

## Product Information

**Description:** Rabbit polyclonal antibody

**Background:** Mitogen-activated protein kinase (Os06t0708000-01); Mitogen-activated protein kinase, Defense response (Os06t0708000-02); MAP kinase, Plant defense and wounding signaling (Os06t0708000-03); Mitogen-activated protein kinase, Defense response (Os06t0708000-04)

**Synonyms:** Os06g0708000, OsBWMK1; OsMPK12; OsMPK17-1

**Immunogen:** KLH-conjugated synthetic peptide (14 aa from N terminal section) derived from *Oryza sativa* Os06g0708000.

**Form:** Lyophilized

**Quantity:** 50 μg

**Purification:** Serum

**Reconstitution:** Reconstitution with 50μl 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:** 66 kDa

**Predicted Reactivity:** Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Zea mays, Panicum virgatum, Sorghum bicolor, Setaria viridis, Triticum*

*aestivum, Hordeum vulgare,* and 80-99% homologues with the sequence in *Medicago truncatula, Glycine max, Triticum aestivum, Brassica napus, Arabidopsis thaliana.*

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

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