

# Anti-Mitogen-activated protein kinase kinase 1 antibody

Catalog: PHY1731S

## Product Information

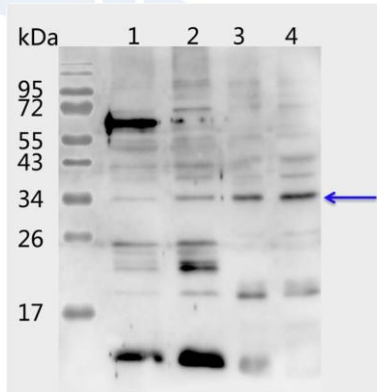
<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	An <i>Arabidopsis thaliana</i> mitogen-activated protein (MAP) kinase cascade composed of MEKK1 (AT4G08500), MEK1/MEK2, and MPK4 (AT4G01370). MEK1 and MEK2 are a redundant pair of MAP kinase kinases.
<b>Synonyms:</b>	MEK1, MKK1, ATMEK1, MAP KINASE/ ERK KINASE 1, MITOGEN ACTIVATED PROTEIN KINASE KINASE 1, NMAPKK
<b>Immunogen:</b>	KLH-conjugated synthetic peptide of MEK1 derived from <i>Arabidopsis thaliana</i> AT4G26070.
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Serum Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .
<b>Reconstitution:</b>	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".
<b>Stability &amp; Storage:</b>	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.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected/apparent MW:</b>	34 kDa
<b>Confirmed Reactivity:</b>	<i>Arabidopsis thaliana</i>
<b>Predicted Reactivity:</b>	For more species homologues information, please contact tech support at <a href="mailto:tech@phytoab.com">tech@phytoab.com</a> .

Research Use Only

## Application Example



**PHY1731S**

Lane 1: 40 µg total protein from *Arabidopsis thaliana* leaf.

Lane 2: 80 µg total protein from *Arabidopsis thaliana* leaf.

Lane 3: 22 µg soluble protein from *Arabidopsis thaliana* leaf.

Lane 4: 44 µg soluble protein from *Arabidopsis thaliana* leaf.

**Electrophoresis:** 15% SDS-Urea-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.