

Anti-BSK1 antibody

Catalog: PHY7281A

Product Information

Description:	Rabbit polyclonal antibody
Background:	BSK1 is a plasma membrane-localized serine/threonine kinase. It acts as a positive regulator of brassinosteroid signaling by functioning as a substrate of the receptor kinase BRI1, and is also involved in plant immunity.
Synonyms:	BSK1, BRASSINOSTEROID-SIGNALING KINASE 1
Immunogen:	KLH-conjugated synthetic peptide (15 aa from central section) derived from <i>Arabidopsis thaliana</i> BSK1 (AT4G35230).
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

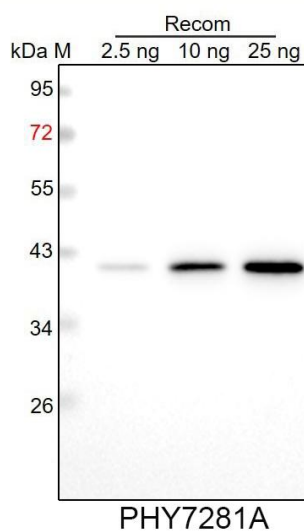
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	57 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Vitis vinifera</i> , <i>Brassica napus</i> , <i>Brassica rapa</i> , <i>Nicotiana tabacum</i> , <i>Spinacia oleracea</i> , and 80-99% homologues with the sequence in <i>Populus</i>

Research Use Only

trichocarpa, Gossypium raimondii, Cucumis sativus, Solanum tuberosum, Oryza sativa, Medicago truncatula, Panicum virgatum, Setaria viridis, Glycine max, Zea mays, Sorghum bicolor, Hordeum vulgare, Solanum lycopersicum.

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 40 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.