Anti-GmVDAC2 antibody

Catalog: PHY6725A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Glyma.14G088800 encodes a voltage-dependent anion channel (VDAC) localized to the mitochondrial outer membrane. It is involved in transport and shares homology with SUPPRESSOR OF AUXIN RESISTANCE, suggesting roles in nuclear transport and auxin signaling.
Synonyms:	GmVDAC2, VDAC2, Voltage Dependent Anion Channel 2
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from *Glycine max* VDAC2 (Glyma.14G088800).
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℃ 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.

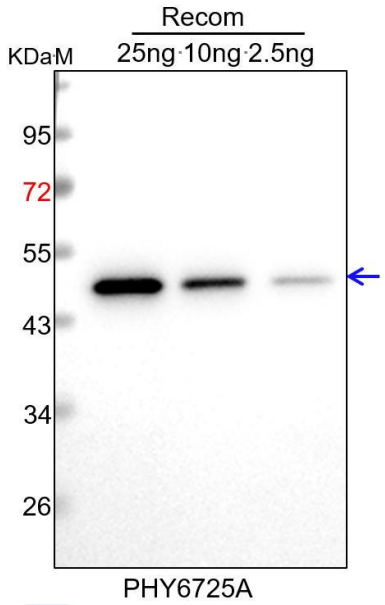
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	30 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Glycine soja, Mucuna pruriens, Phaseolus coccineus, Phaseolus vulgaris, Pisum sativum, Psophocarpus tetragonolobus, Trifolium*

pratense, Trifolium subterraneum, Vigna angularis var. angularis, Vigna mungo, Vigna radiata var. radiata, Vigna unguiculata.

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 47 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.