

Anti-Bifunctional aspartokinase/homoserine dehydrogenase 2, chloroplastic antibody

Catalog: PHY0758A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Asp kinases (AKs) and dual-functional Asp kinase-homo Ser dehydrogenases (AK-HSDHs) is required for activation of Asp to Asp-4-P during the first step of the biosynthetic pathway for Asp-derived amino acids. <i>Arabidopsis thaliana</i> contains three AK protein (AK1, AT5G13280; AK2, AT5G14060; and AK3, AT3G02020) and two AK-HSDH proteins (AK-HSDH1, AT1G31230 and AK-HSDH2, AT4G19710).
Synonyms:	AK-HSDH2, AK-HSDH, AK-HSDH II, ASPARTATE KINASE-HOMOSERINE DEHYDROGENASE, ASPARTATE KINASE-HOMOSERINE DEHYDROGENASE II
Immunogen:	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> AK-HSDH2 (AT4G19710).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "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.
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Research Use Only

Expected / apparent MW:

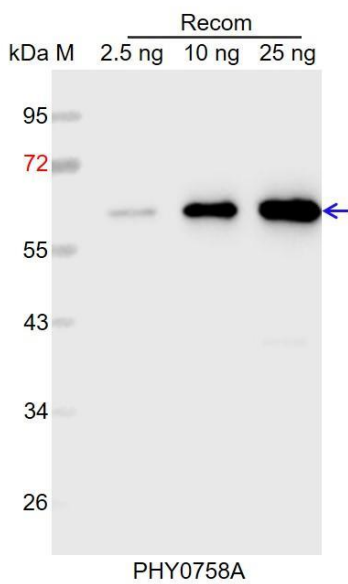
100 kDa

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*.

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 62 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.