

Anti-6-phosphogluconate dehydrogenase, C-terminal antibody

Catalog: PHY5173A

Product Information

Description:	Rabbit polyclonal antibody
Background:	gnd catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO ₂ with concomitant reduction of NADP to NADPH.
Synonyms:	gnd
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Synechocystis</i> sp. PCC 6803 gnd (slI0329).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1×PBS (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

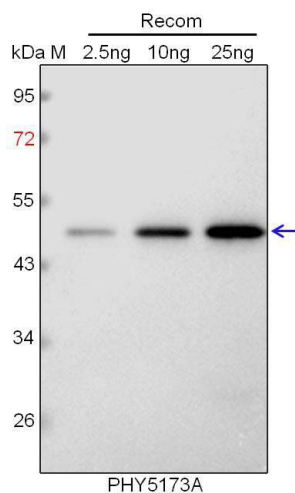
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	53 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Nicotiana tabacum</i> , <i>Solanum tuberosum</i> , <i>Solanum lycopersicum</i> ,

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Brassica napus, Brassica rapa, Cucumis sativus, Arabidopsis thaliana, Synechococcus elongatus PCC 7942, Hordeum vulgare, Panicum virgatum, Triticum aestivum, Zea mays, Sorghum bicolor, Setaria viridis, Oryza sativa, Spinacia oleracea, Glycine max, Populus trichocarpa, Vitis vinifera, Medicago truncatula.

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 50 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.