

Anti-PMI antibody

Catalog: NAB1008-004S

Quantity: 200 µL

Immunogen Information:

Background

Phosphomannose isomerase (PMI) encoding gene *manA* is a desirable selective marker in transgenic research. Understanding of its expression patterns in transgenic plant and establishing highly sensitive detection method based on immunoassay have great impacts on the application of PMI.

Immunogen

KLH-conjugated synthetic peptide (18 aa from C terminal section) derived from PMI protein (Uniprot: P00946). [We also have antibodies for different epitopes from the Capsid protein. Please request at \[info@nanodiaincs.com\]\(mailto:info@nanodiaincs.com\) or <https://www.nanodiaincs.com>.](#)

Basic Information:

Purification: Serum

Clonality: Polyclonal

Expected MW: 43 kDa

Host: Rabbit

Product Information:

Form: Lyophilized

Reconstitution

Reconstitution with 200µl 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".

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

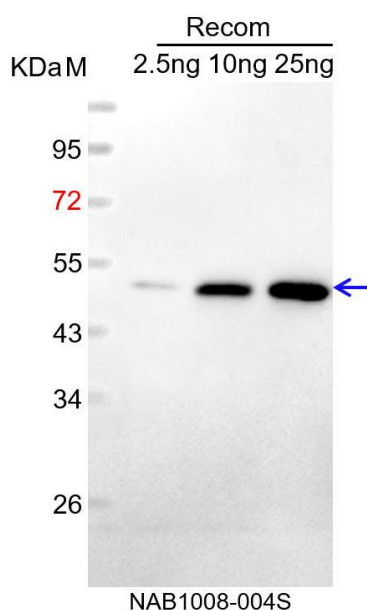
The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

Applications Information:

Recommended Dilution: WB (1:1000-1:2000)

Predicted Reactivity: Anti-PMI recognizes recombinant PMI/manA protein and transgenic rice. For more species homologues information, please contact tech support at info@nanodiaincs.com.

Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 49 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.