Anti- NPTII antibody

Catalog: NAB1009-001
Quantity: 200 μL

Immunogen Information:

Background

NPTII is Aminoglycoside 3'-phosphotransferase (also known as G418 or Neo). This enzyme inactivates antibiotics like kanamycin, neomycin by phosphorylation. It is encoded by the Tn5 transposon from Klebsiella pneumoniae and is widely used as a selectable marker in mammalian cells.

Immunogen

Synthetic peptide of NPTII / G418 protein derived from (Uniprot: P00552 NCBI: WP_000572405). We also have antibodies for different epitopes from the Capsid protein. Please request at info@nanodiaincs.com or https://www.nanodiaincs.com.

Basic Information:

Purification: Protein A purified
Clonality: Monoclonal **Expected MW:** 29 kDa **Host:** Mouse

Product Information:

Form: Lyophilized
Reconstitution

Reconstitution with 200 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.

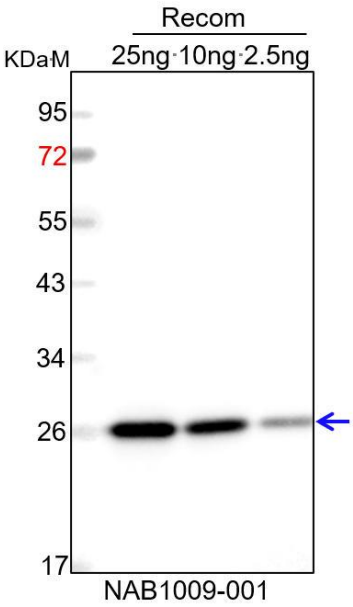
Shipping

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

Applications Information:

Recommended Dilution: WB (1:1000-1:2000)
Predicted Reactivity: 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 26 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-Mouse IgG H&L (HRP) (Cat# PHY6006).

Detection: using chemiluminescence substrate and image were captured with CCD camera.