

## Anti-CP4-EPSPS antibody

**Catalog:** NAB1004-003

**Quantity:** 200 µL

### Immunogen Information:

#### Background

5-enolpyruvylshikimate-3-phosphate (EPSP) synthase is an enzyme produced by plants and microorganisms. It is the biological target of the herbicide glyphosate, and a glyphosate-resistant version of this gene has been used in genetically modified crops.

#### Immunogen

Recombinant protein of CP4-EPSPS (1-527) derived from (Uniprot: Q587N9 NCBI: AII80555). [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:** Protein A purified

**Clonality:** Monoclonal      **Expected MW:** 55 kDa      **Host:** Mouse

### Product Information:

**Form:** Lyophilized

#### Reconstitution

Reconstitution with 200 µL 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

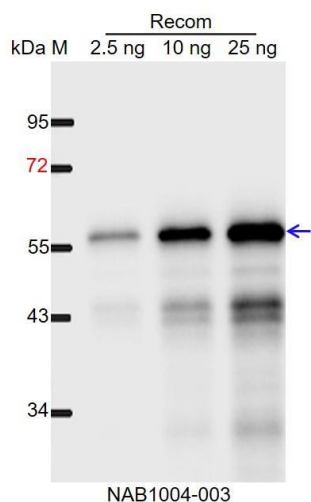
The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

### Applications Information:

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

**Predicted Reactivity:** For more species homologues information, please contact tech support at [info@nanodiaincs.com](mailto: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 57 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-Mouse IgG H&L (HRP) (Cat# PHY6006).

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