

Anti-Homo sapiens histone H3-like centromeric protein A (CENPA) antibody

Catalog: NAG1010-001A

Quantity: 200 µL

Immunogen Information:

Background

Centromeres are the differentiated chromosomal domains that specify the mitotic behavior of chromosomes. This gene encodes a centromere protein which contains a histone H3 related histone fold domain that is required for targeting to the centromere. Centromere protein A is proposed to be a component of a modified nucleosome or nucleosome-like structure in which it replaces 1 or both copies of conventional histone H3 in the (H3-H4)₂ tetrameric core of the nucleosome particle. The protein is a replication-independent histone that is a member of the histone H3 family. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Immunogen

KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from *Homo sapiens* CENPA (Uniprot: P49450; NCBI:NP_001800.1). [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: Immunogen Affinity Purified

Clonality: Polyclonal

Expected MW: 16 kDa

Host: Rabbit

Product Information:

Form: Lyophilized

Reconstitution

Reconstitution with 150 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°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.

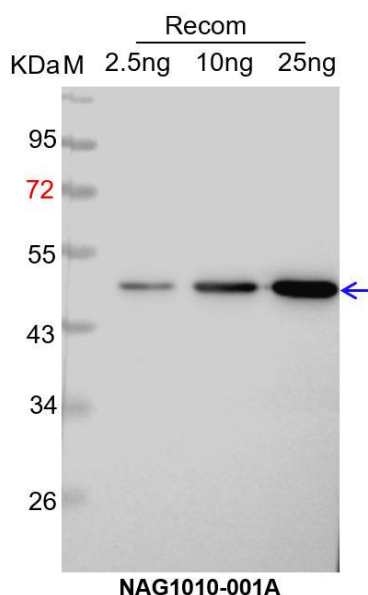
Applications Information:

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

Predicted Reactivity: The sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Homo sapiens*, *Cercocebus atys*, *Chlorocebus sabaeus*, *Daubentonia madagascariensis*, *Gorilla gorilla gorilla*, *Macaca fascicularis*, *Macaca mulatta*, *Macaca nemestrina*, *Mandrillus leucophaeus*, *Pan troglodytes*, *Papio anubis*, *Pongo abelii*, *Saimiri boliviensis boliviensis*, *Theropithecus gelada*.

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.