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 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 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

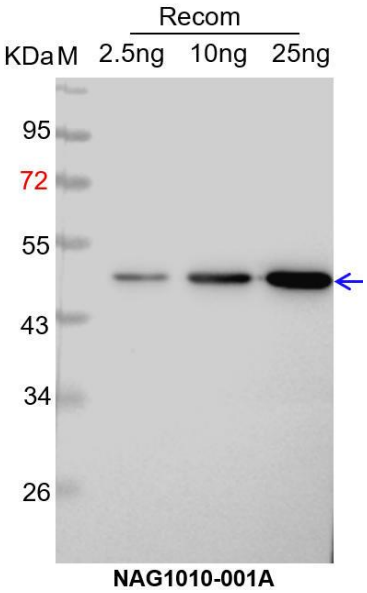
The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

Applications Information:

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

Predicted Reactivity: 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



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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℃ for 1 h.

Primary antibody: 1:1000 dilution overnight at 4℃.

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.