

Rabbit CENP-A phospho Ser18 Polyclonal Antibody | anti-CENP-A antibody

CENP-A phospho Ser18 antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60032	Rabbit	Human, Wide Range Predicted	Western Blot, Immunofluorescence, Immunocytochemistry, Dot Blot

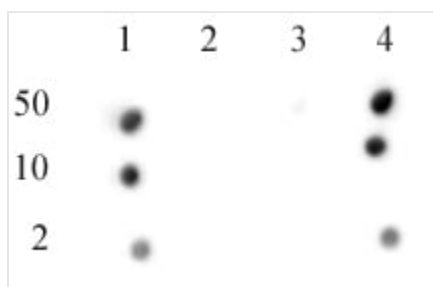
PRODUCT SYNONYMS

CENP-A phospho Ser18; Polyclonal Antibody; CENP-A phospho Ser18 antibody (pAb); CenH3; CENPA; anti-CENP-A antibody

PRODUCT SPECIFICATIONS

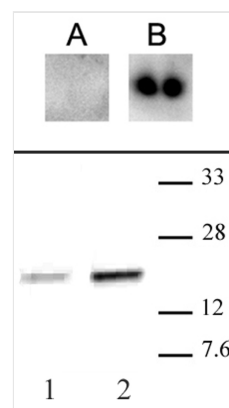
Host	Rabbit
Reactivity	Human, Wide Range Predicted
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-CENP-A antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), DB (Dot Blot)
Immunogen	This antibody was raised against a synthetic peptide containing phosphorylated serine 16 and 18 of human CENP-A.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.

IMAGES



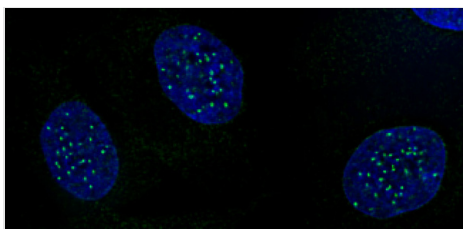
DB (Dot Blot)

CENP-A phospho Ser18 antibody (pAb) tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of CENP-A phospho Ser18 antibody. Peptides corresponding to the immunogen and related proteins were spotted onto PVDF and probed with the antibody at 1:750. The amount of peptide (picomoles) spotted is indicated next to each row. Lane 1: CENP-A phospho Ser 16 and phospho Ser18. Lane 2: CENP-A unmodified. Lane 3: CENP-A phospho Ser 16. Lane 4: CENP-A phospho Ser 18.



WB (Western Blot)

CENP-A phospho Ser18 antibody (pAb) tested by Western blot. Top: Recombinant CENP-A (20 ng) was probed with CENP-A phospho Ser18 antibody (1:100 dilution) (A) or with anti-centromere antibody (ACA) (B). CENP-A phospho Ser18 antibody does not detect recombinant CENP-A. Bottom: HeLa nuclear extract (20 ug) was probed with CENP-A phospho Ser18 antibody (1:250 dilution). Lane 1: CENP-A phospho-Ser18 antibody. Lane 2: anti-centromere antibody (ACA).



IF (Immunofluorescence)

CENP-A phospho Ser18 antibody (pAb) tested by immunofluorescence. Detection of CENP-A phospho Ser18 by immunofluorescence. HeLa cells were stained with CENP-A phospho Ser18 antibody at a 1:100 dilution. Green: CENP-A phospho Ser18 antibody (pAb) Blue: DAPI

ADDITIONAL INFORMATION

Related Product Information for anti-CENP-A antibody	Short Description: Our CENP-A phospho Ser18 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Dot blot, Immunocytochemistry, Immunofluorescence and Western blot; it has been shown to react with Human samples, but it is predicted that it will react with a wide range of sample types. Background: CENP-A (Centromere Protein A) is a Histone H3-like variant which exclusively replaces conventional H3 in the nucleosome core of centromeric chromatin at the inner plate of the kinetochore. It is required for recruitment and assembly of kinetochore proteins, mitotic progression and chromosome segregation. Recently, phosphorylation of CENP-A on Ser16 and Ser18 was reported and found to be important for chromosome segregation during mitosis.
Product Categories/Family for anti-CENP-A antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502775
NCBI GeneID	1058
NCBI Accession #	NP_001800 ; AB_2793655
NCBI GenBank Nucleotide #	NM_001809
UniProt Accession #	P49450
Molecular Weight	16kDa
NCBI Official Full Name	histone H3-like centromeric protein A isoform a
NCBI Official Synonym Full Names	centromere protein A
NCBI Official Symbol	CENPA
NCBI Official Synonym Symbols	CenH3; CENP-A
NCBI Protein Information	histone H3-like centromeric protein A
UniProt Protein Name	Histone H3-like centromeric protein A
UniProt Gene Name	CENPA
UniProt Synonym Gene Names	CENP-A
UniProt Entry Name	CENPA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cenp-a-phospho-ser18-antibody-western-blot-immunofluorescence-immunocytochemistry-dot-blot-elisa/60032>