

## CENPA Human

**Description:** CENPA Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular mass of 17,015 Dalton. CENPA is expressed with a -6x His tag and purified by proprietary chromatographic techniques.

Catalog #: PRPS-396

**Synonyms:** Histone H3-like centromeric protein A, Centromere protein A, CENP-A, Centromere autoantigen A, CENPA.

For research use only.

**Source:** Sf9 insect cells.

**Physical Appearance:** Sterile Filtered liquid formulation.

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

CENPA is supplied in 20mM HEPES buffer pH-8, 100mM sodium chloride, and 6M Urea.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Applications:**

Western-Blot with monoclonal anti-hexa-His-tag antibody & Scleroderma patient sera.

**Introduction:**

Centromere proteins are a group of proteins which form and/or mediate the function of centromeres, the central structures of chromosomes to which spindle fibers/microtubuli attach and pull the chromosomes apart in cell division. Currently, 9 centromere proteins are known and designated CENPA to CENP-I. Most of the centromere proteins are targets of autoantibodies, the anti-centromere antibodies. CENPA is another important centromeric autoantigen in addition to CENPB: it has a molecular weight of approx. 20 kDa and is incorporated into centromeric chromatin due to its histone-like properties. CENPA antibodies are an important marker for correct diagnosis of Scleroderma / CREST syndrome in CENPB-autoantibody negative patients.

**Storage:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

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