

[Go to Product page](#)

Datasheet for ABIN620247 **CENPA Protein (His tag)**

Overview

Quantity:	20 µg
Target:	CENPA
Origin:	Human
Host:	Please inquire
Protein Type:	Recombinant
Purification tag / Conjugate:	This CENPA protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Characteristics:	Recombinant Human Centromere Protein-A
Purity:	> 90 % as determined by SDS-PAGE.

Target Details

Target:	CENPA
Alternative Name:	Centromere Protein-A (CENPA Products)
Background:	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. 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.

Target Details

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

Pathways: [Chromatin Binding](#), [Maintenance of Protein Location](#)

Application Details

Application Notes: Western-Blot with monoclonal anti-hexa-His-tag antibody and Scleroderma patient sera. 0.15-0.4 µg/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: CENPA is supplied in 20mM HEPES buffer pH-8, 100mM sodium chloride, and 6M Urea. Immunological functions 1. Binds IgG-type human auto-antibodies. 2. Standard ELISA test (checker-board analysis of positive/negative sera panels including CDC international reference sera).

Storage: 4 °C