

Datasheet for ABIN502692
anti-CENPA antibody (Middle Region)



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2 Images

Overview

Quantity:	25 µL
Target:	CENPA
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CENPA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CENPA
Sequence:	ALQEAAEAFL VHLFEDAYLL TLHAGRVTLF PKDVQLARRI RGLEEGLG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 77%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 86%, Rabbit: 100%, Rat: 100%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against CENPA. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CENPA
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Target Details

Alternative Name:	CENPA (CENPA Products)
Background:	Centromeres are the differentiated chromosomal domains that specify the mitotic behavior of chromosomes. CENPA is a centromere protein which contains a histone H3 related histone fold domain that is required for targeting to the centromere. CENPA 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. Centromeres are the differentiated chromosomal domains that specify the mitotic behavior of chromosomes. CENPA encodes a centromere protein which contains a histone H3 related histone fold domain that is required for targeting to the centromere. CENPA 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. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Alias Symbols: CenH3, CENP-A Protein Interaction Partner: HIST1H4A, HIST1H2AB, H3F3A, HIST1H2BB, DIAPH3, DIAPH1, NPM1, HIST1H1A, H2AFZ, H2AFX, CENPC, CENPB, HIST3H2BB, HIST4H4, CENPT, CENPU, CENPM, CENPH, CENPN, HJURP, SUPT16H, H2AFY, AURKB, HIST1H3E, HIST2H2AC, SSRP1, RUVBL1, XRCC5, PRKDC, HNRNPU, EIF4A1, DDX5, Protein Size: 140
Molecular Weight:	16 kDa
Gene ID:	1058
NCBI Accession:	NM_001809 , NP_001800
UniProt:	P49450
Pathways:	Chromatin Binding , Maintenance of Protein Location

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 140 AA
Restrictions:	For Research Use only

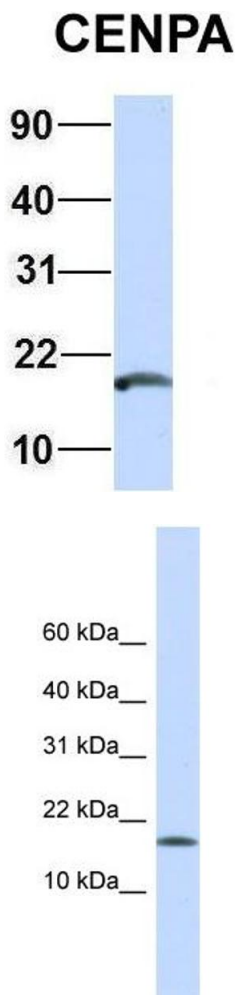
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit Target Name: CENPA Sample Type: 721_B Antibody Dilution: 1.0ug/ml CENPA is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

Western Blotting

Image 2. WB Suggested Anti-CENPA Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HeLa cell lysate. CENPA is strongly supported by BioGPS gene expression data to be expressed in HeLa