

Datasheet for ABIN2782448
anti-CENPA antibody (N-Term)



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3 Images

Overview

Quantity:	100 µL
Target:	CENPA
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CENPA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CENPA
Sequence:	MGPRRRSRKP EAPRRRSPSP TPTPGPSRRG PSLGASSHQH SRRRQGWLKE
Predicted Reactivity:	Human: 100%, Mouse: 90%, Rat: 90%
Characteristics:	This is a rabbit polyclonal antibody against CENPA. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	CENPA
Alternative Name:	CENPA (CENPA Products)

Target Details

Background:	<p>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.</p> <p>Alias Symbols: CenH3, CENP-A</p> <p>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,</p> <p>Protein Size: 140</p>
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Molecular Weight:	16 kDa
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Gene ID:	1058
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NCBI Accession:	NM_001809 , NP_001800
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UniProt:	P49450
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Pathways:	Chromatin Binding , Maintenance of Protein Location
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Application Details

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

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %
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Handling

sucrose.

Preservative: Sodium azide

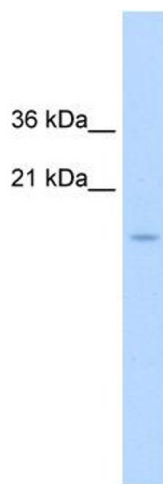
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

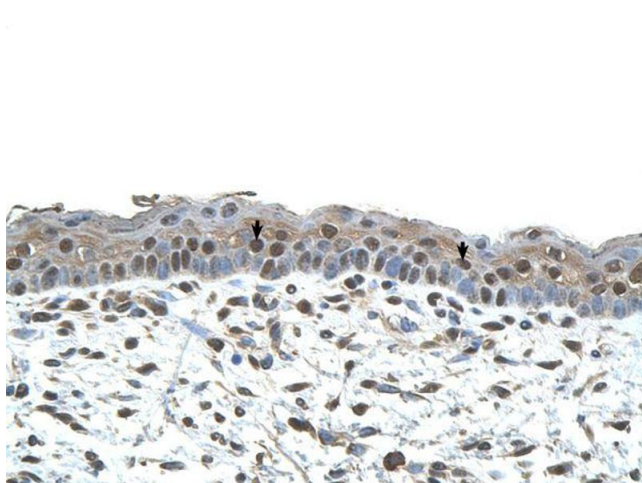
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CENPA Antibody Titration: 1.25ug/ml Positive Control: Jurkat cell lysate CENPA is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Immunohistochemistry

Image 2.

Immunohistochemistry

Image 3. Human Skin

