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Datasheet for ABIN1881300

## anti-EPC1 antibody (AA 305-334)

1 Image

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### Overview

Quantity:	400 µL
Target:	EPC1
Binding Specificity:	AA 305-334
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This EPC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 305-334 amino acids from the Central region of human EPC1.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	EPC1
Alternative Name:	EPC1 ( <a href="#">EPC1 Products</a> )
Background:	Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome -DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription.

## Target Details

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This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage.

Molecular Weight: 93463

NCBI Accession: [NP\\_001258933](#), [NP\\_001258948](#), [NP\\_001269320](#), [NP\\_079485](#)

UniProt: [Q9H2F5](#)

Pathways: [Regulation of Muscle Cell Differentiation](#)

## Application Details

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Application Notes: WB: 1:1000

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

Expiry Date: 6 months

## Publications

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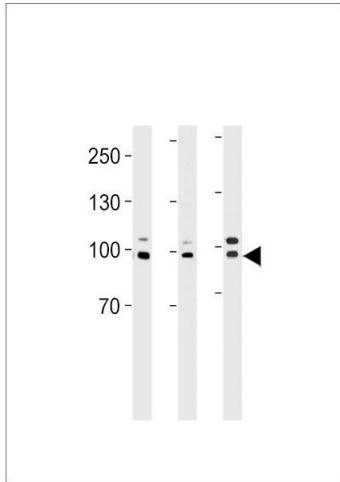
Product cited in: Zampagni, Cascella, Casamenti, Grossi, Evangelisti, Wright, Becatti, Liguri, Mannini, Campioni, Chiti, Cecchi: "A comparison of the biochemical modifications caused by toxic and non-toxic protein oligomers in cells." in: **Journal of cellular and molecular medicine**, Vol. 15, Issue 10, pp. 2106-16, (2011) ([PubMed](#)).

Liao, Lasbury, Wang, Zhang, Durant, Murakami, Matsufuji, Lee: "Pneumocystis mediates overexpression of antizyme inhibitor resulting in increased polyamine levels and apoptosis in alveolar macrophages." in: **The Journal of biological chemistry**, Vol. 284, Issue 12, pp. 8174-84,

(2009) ([PubMed](#)).

Images

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### Western Blotting

**Image 1.** EPC1 Antibody (Center) (ABIN1881300 and ABIN2843438) western blot analysis in ,Hela cell line and mouse heart tissue lysates (35 µg/lane).This demonstrates the EPC1 antibody detected the EPC1 protein (arrow).