

Datasheet for ABIN2787617

anti-CENPH antibody (Middle Region)



[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	CENPH
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Dog, Horse, Cow, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CENPH antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CENPH
Sequence:	ESWDLEEKLL DIRKKRLQLK QASESKLLEI QTEKNKQKID LDSEMSERI
Predicted Reactivity:	Cow: 93%, Dog: 79%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 86%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against CENPH. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CENPH
---------	-------

Target Details

Alternative Name: CENPH ([CENPH Products](#))

Background: Centromere and kinetochore proteins play a critical role in centromere structure, kinetochore formation, and sister chromatid separation. CENPH colocalizes with inner kinetochore plate proteins CENP-A and CENP-C in both interphase and metaphase. It localizes outside of centromeric heterochromatin, where CENP-B is localized, and inside the kinetochore corona, where CENP-E is localized during prometaphase. It is thought that this protein can bind to itself, as well as to CENP-A, CENP-B or CENP-C. Multimers of the protein localize constitutively to the inner kinetochore plate and play an important role in the organization and function of the active centromere-kinetochore complex. Centromere and kinetochore proteins play a critical role in centromere structure, kinetochore formation, and sister chromatid separation. The protein encoded by this gene colocalizes with inner kinetochore plate proteins CENP-A and CENP-C in both interphase and metaphase. It localizes outside of centromeric heterochromatin, where CENP-B is localized, and inside the kinetochore corona, where CENP-E is localized during prometaphase. It is thought that this protein can bind to itself, as well as to CENP-A, CENP-B or CENP-C. Multimers of the protein localize constitutively to the inner kinetochore plate and play an important role in the organization and function of the active centromere-kinetochore complex. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: NNF1, PMF1 Protein Interaction Partner: CENPH, CENPK, MTAP, NDC80, NUF2, SUGT1, UBC, VCP, CENPU, CENPN, CENPA, TRIM36, CENPP, CENPO, CENPI, ELAVL1, KIF2C, PMVK, Protein Size: 247

Molecular Weight: 27 kDa

Gene ID: 64946

NCBI Accession: [NM_022909](#), [NP_075060](#)

UniProt: [Q9H3R5](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 247 AA

Restrictions: For Research Use only

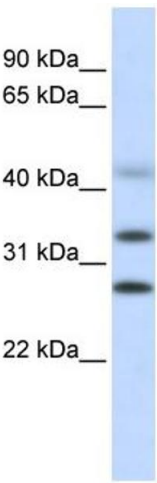
Handling

Format:	Liquid
Concentration:	Lot specific
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.

Publications

Product cited in:	Liao, Zhang, Zhou, Zimonjic, Mani, Kaba, Gifford, Reinhardt, Popescu, Guo, Eaton, Lodish, Weinberg: "Enrichment of a population of mammary gland cells that form mammospheres and have in vivo repopulating activity." in: Cancer research , Vol. 67, Issue 17, pp. 8131-8, (2007) (PubMed).
-------------------	---

Images



Western Blotting

Image 1. WB Suggested Anti-CENPH Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Human Liver