

Product Datasheet

Pericentrin Antibody - BSA Free NB100-61071

Unit Size: 100 ul

Store at 4C. Do not freeze.

www.novusbio.com



technical@novusbio.com

Reviews: 1 Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-61071

Updated 2/21/2025 v.20.1

**Earn rewards for product
reviews and publications.**

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-61071



NB100-61071

Pericentrin Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	378 kDa

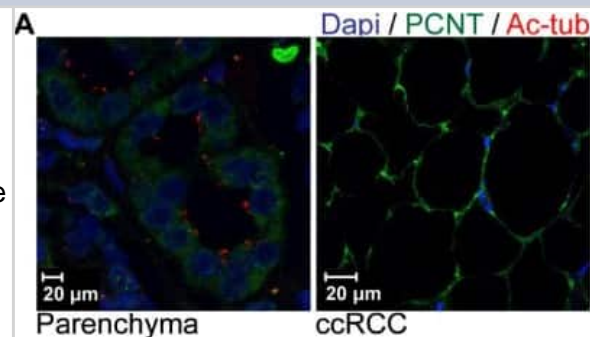
Product Description	
Host	Rabbit
Gene ID	5116
Gene Symbol	PCNT
Species	Human
Marker	Centrosome Marker
Immunogen	The immunogen recognized by this antibody maps to a region between residue 175 and 225 of human Pericentrin/Kendrin using the numbering given in entry NP_006022.3 (GeneID 5116).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000 - 1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:1000 - 1:5000, Immunoprecipitation 2 - 10 ug/mg lysate, Immunohistochemistry-Paraffin 1:10 - 1:500
Application Notes	IHC-P was reported in scientific literature (PMID: 23369289). ICC/IF reactivity reported in scientific literature (PMID: 24316073). For ICC/IF, formaldehyde or acetone fixation is recommended. Permeabilization with Triton X-100 is recommended for formaldehyde-fixed cells.

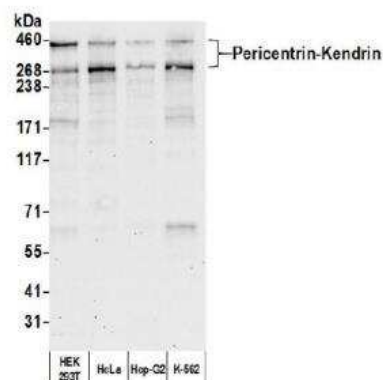


Images

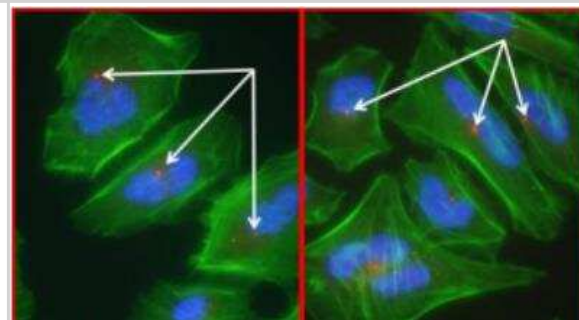
Immunohistochemistry: Pericentrin Antibody [NB100-61071] - Immunofluorescent analysis of cilia in renal tissues. Sections (4 μ m) of renal parenchymal tissues and tumor tissues were stained with DAPI, acetylated-alpha-tubulin (Ac-tub) and pericentrin (PCNT) to mark cell nuclei and cilia. Presented images are maximal projections of confocal images of typical parenchymal tissue and a representative ccRCC. Scale bars 20 μ m. Statistics were determined by performing a paired t-test at a 95% confidence interval. Image collected and cropped by CiteAb from the following publication (<https://ciliajournal.biomedcentral.com/articles/10.1186/2046-2530-2-2>) licensed under a CC-BY license.



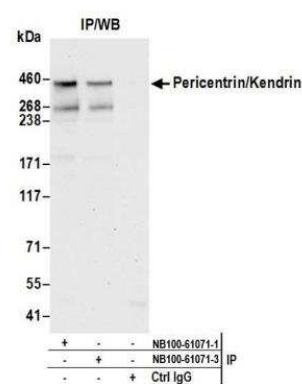
Western Blot: Pericentrin Antibody [NB100-61071] - Whole cell lysate (10 μ g) from HEK293T, HeLa, Hep-G2, and K-562 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Pericentrin-Kendrin antibody used for WB at 0.04 μ g/ml. Detection: Chemiluminescence with an exposure time of 30 second.



Immunocytochemistry/Immunofluorescence: Pericentrin Antibody [NB100-61071] - Formaldehyde-fixed asynchronous HeLa cells. Antibody: Affinity purified rabbit anti-Pericentrin/Kendrin used at a dilution of 1:1,000 (1 μ g/ml). Detection: Red-fluorescent goat anti-rabbit IgG-heavy and light chain cross-adsorbed Antibody DyLight (R) 594 Conjugated used at a dilution of 1:100. Counterstain. DAPI (blue) and Phalloidin (green)



Immunoprecipitation: Pericentrin Antibody [NB100-61071] - Detection of human Pericentrin/Kendrin by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Pericentrin/Kendrin antibody NB100-61071 (lot 3) used for IP at 6 μ g per reaction. Pericentrin/Kendrin was also immunoprecipitated by a previous lot of this antibody (lot 1). For blotting immunoprecipitated Pericentrin/Kendrin, NB100-61071 was used at 1 μ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Publications

Siyi Bai, Fatima Martin-Sanchez, David Brough, Gloria Lopez-Castejon Pyroptosis leads to loss of centrosomal integrity in macrophages *Cell Death Discovery* 2024-08-08 [PMID: 39117604] (Western Blot)

Baro L, Islam A, Brown HM et al. APC-driven actin nucleation powers collective cell dynamics in colorectal cancer cells *iScience* 2023-05-19 [PMID: 37128612] (ICC/IF, Human)

Details:

Dilution: 1:1000

Cuenca A, Insinna C, Zhao H et al. The C7orf43/TRAPPC14 component links the TRAPP II complex to RABIN8 for preciliary vesicle tethering at the mother centriole during ciliogenesis *J. Biol. Chem.* 2019-08-29 [PMID: 31467083] (ICC/IF, Human)

Walia V, Cuenca A, Vetter M et al. Akt Regulates a Rab11-Effector Switch Required for Ciliogenesis *Dev Cell.* 2019-05-31 [PMID: 31204173]

Motuhi SE, Feizbakhsh O, Foll-Josselin B et al. Neurymenolide A, a Novel Mitotic Spindle Poison from the New Caledonian Rhodophyta *Phacelocarpus neurymenioides* *Mar Drugs* 2019-02-01 [PMID: 30717235] (ICC/IF, Human)

Insinna C, Lu Q, Teixeira I et al. Investigation of F-BAR domain PACSIN proteins uncovers membrane tubulation function in cilia assembly and transport. *Nat Commun* 2019-01-25 [PMID: 30683896] (ICC/IF, Human)

Xia X, Gholkar A, Senese S, Torres JZ. A LCMT1-PME-1 Methylation Equilibrium Controls Mitotic Spindle Size *Cell Cycle* 2015-04-03 [PMID: 25839665] (ICC/IF, Human)

Details:

Pericentrin antibody was used for ICC-IF on HeLa cells which were transfected with si-Control, siLCMT1, or siPME-1 for 48 hours (Fig 1B).

Loktev AV, Jackson PK. Neuropeptide Y Family Receptors Traffic via the Bardet-Biedl Syndrome Pathway to Signal in Neuronal Primary Cilia. *Cell Rep* 2013-12-12 [PMID: 24316073] (ICC/IF, Human)

Basten SG, Willekers S, Vermaat JS et al. Reduced cilia frequencies in human renal cell carcinomas versus neighboring parenchymal tissue. *Cilia* 2013-01-31 [PMID: 23369289] (ICC/IF, IHC-P, Human)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-61071

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-87771PEP	Pericentrin Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-61071

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

