

Rabbit anti-Human Pericentrin/Kendrin Polyclonal Antibody | anti-PCNT antibody

Rabbit anti-Pericentrin/Kendrin Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211435	Rabbit	Human	Immunocytochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

Pericentrin/Kendrin; Polyclonal Antibody; Rabbit anti-Pericentrin/Kendrin Antibody; Affinity Purified; pericentrin; PCTN2; SCKL4; pericentrin-B; pericentrin-380; KEN; PCNT2; PCN; MOPD2; kendrin; pericentrin-2; PCNTB; Pericentrin; anti-PCNT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PCNT antibody	ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 175 and 225
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human Pericentrin-Kendrin by western blot. Samples: Whole cell lysate (10 ug) from HEK293T, HeLa, Hep-G2, and K-562 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Pericentrin-Kendrin antibody (AAA211435 lot 4) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 second.



IP (Immunoprecipitation)

Detection of human Pericentrin-Kendrin by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Pericentrin-Kendrin antibody (AAA211435 lot 4) used for IP at 6 ug per reaction. Pericentrin-Kendrin was also immunoprecipitated by a previous lot of this antibody (AAA211435 lot 3) and another rabbit anti-Pericentrin-Kendrin antibody (BL5517). For blotting immunoprecipitated Pericentrin-Kendrin, AAA211435 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



ICC (Immunocytochemistry)

Detection of human Pericentrin/Kendrin by immunocytochemistry. Sample: Formaldehyde-fixed asynchronous HeLa cells. Antibody: Affinity purified rabbit anti-Pericentrin/Kendrin (AAA211435) used at a dilution of 1:1,000 (1ug/ml). Detection: Red-fluorescent goat anti-rabbit IgG-heavy and light chain cross-adsorbed Antibody DyLight 594 Conjugated used at a dilution of 1:100. Counterstain. DAPI (blue) and Phalloidin (green)

ADDITIONAL INFORMATION

Related Product Information for anti-PCNT antibody	Pericentrin (PCNT) is a large centrosomal protein that binds calmodulin and mediates assembly of the mitotic spindle apparatus. Depletion of PCNT has been shown to cause apoptosis and activation of the G2/M checkpoint. Recently, mutations in the pericentrin gene have been identified as the cause of primordial dwarfism type II (MOPDII) and Seckel syndrome. Additionally, in cells of Seckel syndrome patients, PCNT has been found to be important to the DNA damage response and ATR-dependent checkpoint signaling.
Product Categories/Family for anti-PCNT antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	81295809
NCBI GeneID	5116
NCBI Accession #	NP_006022.3
NCBI GenBank Nucleotide #	NM_006031.5
UniProt Accession #	O95613 ; O43152 ; Q7Z7C9
Molecular Weight	378,037 Da
NCBI Official Full Name	pericentrin
NCBI Official Synonym Full Names	pericentrin
NCBI Official Symbol	PCNT
NCBI Official Synonym Symbols	KEN; PCN; MOPD2; PCNT2; PCNTB; PCTN2; SCKL4
NCBI Protein Information	pericentrin; kendrin; pericentrin B; pericentrin-2; pericentrin-B; pericentrin-380
UniProt Protein Name	Pericentrin
UniProt Gene Name	PCNT
UniProt Synonym Gene Names	KIAA0402; PCNT2
UniProt Entry Name	PCNT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pericentrin-kendrin-antibody-immunocytochemistry-immunoprecipitation-western-blot-elisa/211435>