



# Anti-PCNT monoclonal antibody, clone nBcdbn 39255 (DCABH-8442)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Pericentrin
<b>Antigen Description</b>	Integral component of the filamentous matrix of the centrosome involved in the initial establishment of organized microtubule arrays in both mitosis and meiosis. Plays a role, together with DISC1, in the microtubule network formation. Is an integral component of the pericentriolar material (PCM). May play an important role in preventing premature centrosome splitting during interphase by inhibiting NEK2 kinase activity at the centrosome.
<b>Immunogen</b>	The pericentrin clone used is 1.7 kb in size and is derived from within residues 100-600 of mouse pericentrin 1. It was expressed as a fusion protein. The corresponding amino acids are present in both pericentrin and kendrin (pericentrin-2) so this antibo
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Chinese Hamster
<b>Clone</b>	nBcdbn 39255
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, Flow Cyt
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Preservative: 0.02% Sodium Azide; Constituents: PBS, pH 7.4
<b>Preservative</b>	0.02% Sodium Azide

<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
----------------	-----------------------------------------------------------------------------------------------------------------

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PCNT pericentrin [ Homo sapiens ]</a>
<b>Official Symbol</b>	PCNT
<b>Synonyms</b>	PCNT; pericentrin; PCNT2, pericentrin 2 (kendrin); KEN; kendrin; KIAA0402; PCN; PCNTB; SCKL4; Seckel syndrome 4; pericentrin B; pericentrin-2; pericentrin-B; pericentrin-380; MOPD2; PCNT2; PCTN2;
<b>Entrez Gene ID</b>	<a href="#">5116</a>
<b>Protein Refseq</b>	<a href="#">NP_006022</a>
<b>UniProt ID</b>	<a href="#">O95613</a>
<b>Chromosome Location</b>	21q22.3
<b>Pathway</b>	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem; Mitotic G2-G2/M phases, organism-specific biosystem.
<b>Function</b>	calmodulin binding; protein binding;